

<212> DNA  
<213> Homo sapiens

<400> 1572

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atcaaagcag tggacaagaa ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa 60
gctcagaagg ctaaataaat attatcccta atacctgccca cccactctt aatcagtggg 120
ggaagaacgg tctcagaact gtttggtttca attgg 155
```

<210> 1573

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1573

```
ctggagaagt tacttttatt cttgcagttt tatactagga agtcaacatt taataagcca 60
tcatccacaa ttgattaaaa atgtttaatc cttaaattgt gcatcaatat cctatgactc 120
caaattttat ttatcactct ctttcaagtc tgaagaaaat gattaatttg ctaagttcca 180
cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240
taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctgggt cagaatacct 300
gtagtaaaatc tgtaaatcca caccaagaca caacattaaa ctagggtgtg tatatcttat 360
aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatgggt 420
tttgaatcca attaagcttt caaaatgcct gattagctgt gaattaatta taaataaact 480
catgtagttt gccacgacatt tcaaaatggg tatggactat catgttt 527
```

<210> 1574

<211> 427

<212> DNA

<213> Homo sapiens

<400> 1574

```
ccattttctc cctgacgggc ccaacttctc ccaatcttgt agttcacacc attgtcatgg 60
caccatctag atgaatcaca tctgaaatga ccaattccaa agcctaagca ctggcacaac 120
agtttaaagc ctgattcaga cattcggttc cactcatctc caacggcata atgggaaact 180
gtgtaggggt caaagcacga gtcataccga ggttggttca agccttcgtt gacagagttg 240
cccacggtaa caacctctc ccgaacctta tgcctctgct ggtctttcag tgcctccact 300
atgatgttgt aggtggcacc tctgggtgagg cctgtcagag tggcactggg agaagttcca 360
ggaaccctga actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac 420
tcagaag 427
```

<210> 1575

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1575

```
ctgtagcaca aacagatttg aaggagccgc tgaaagttct tggcattact gacatgtttg 60
attcatcaaa ggcaaatttt gcaaaaataa caaggtcaga aaacctccat gtttctcata 120
tcttgcaaaa agcaaaaatt gaagtcagtg aagatggaac caaagcttca gcagcaacaa 180
ctgcaattct cattgcaaga tcatcgctc cctggtttat agtagacaga ccttttctgt 240
ttttcatcga acataatcct acagggtgtg tgttattcat ggggcagata aacaaacct 300
gaagagtata caaaagaaac catgcaaagc aacgactact ttgctacgaa gaaagactcc 360
tttcttgcat ctttcatagt tctgttaaat atttttgtac atcgcttctt tttcaaaact 420
agttcttagg aacagactcg atgcaagtgt ttctgttctg ggagggtattg gagggaaaaa 480
acaagcagga tggctggaac actgtctgag gaatgaatag 520
```

<210> 1576

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1576

```
ttcgtgggca aacgcagagg cgggaacaaa ctagccctca agacgggaat agtagccaag 60
aagcagaaga cggaggatga ggtattaaca agtaaagggtg acgcgtgggc caagtacatg 120
gcagaagtga aaaagtacaa agctcaccag tgcggtgacg atgataaaac tcggccccta 180
gtgaaatgac gccctcccc c 201
```

<210> 1577

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1577

```
aaaatctctt cttcctcagg agtcagcttg gctcccttct tgcggcccag gggcagcgca 60
taatgggact cgtaccactg tcggtacggt gtgctgtcga tgagcacgat gcaattcttc 120
accagggtct tggtagaac cagctcgta ttagatgcat ttagacaac atcgatgac 180
cttgttttac gagtacaaca ctctgagccc caggagaaat tccccacgtc caacctcagg 240
gcacggtatt tcttgttacc tccccgcaca cggactgtgt ggatgcggcg ggggccaatc 300
ttggtgttg cag 313
```

<210> 1578

<211> 151

<212> DNA

<213> Homo sapiens

<400> 1578

```
gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60
aaatcttttag tgttgtgagc ccttaaaagg gacagaaatt gtgcacttga ggagctcaga 120
ttttaaggct gtagcttgcc gatgctccca g 151
```

<210> 1579

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1579

```
aaaccaaagt ttagaaagag gtttttgaaa tgcctatggt ttctttgaat ggtaaacttg 60
agcatctttt cactttccag tagtcagcaa agagcagttt gaattttctt gtcgcttcct 120
atcaaaatat tcagagactc gagcacagca cccagacctc atgcgcccgc ggaatgctca 180
ccacatgttg gtcgaagcgg ccgaccactg actttgtgac ttaggcggct gtgttgacct 240
tgtagagaac acgcttcacc cccactcccc gtacagtgcg cacaggcttt atcgagaata 300
ggaaaacctt taaaccccg gtcacccggac atcccaacgc atgctcctgg agctcacagc 360
cttctgtggt gtcattttctg aaacaagggc gtggatccct caaccaagaa gaatgttta 419
```

<210> 1580

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 11, 12, 13, 15, 16, 23, 28, 32, 40, 48, 49, 51, 52, 60,  
71, 75, 84, 89, 110, 113, 114, 116, 120, 124, 127, 129,  
134, 135, 136, 141, 148, 149, 150, 157, 158, 159, 163, 165,  
166, 167, 170, 171, 184, 189, 212, 217, 218, 220

<223> n = A,T,C or G

<400> 1580

naaagacaaa nnntnngcag tgnactgnga ancttcttan tgggctannt nntccaggcn 60  
tgaagcacct ncgtnatctt tgangaacna tcccttggac actgcgctgn aannanattn 120  
accnancanc atannnctca natgcacnnn gctcgcnntt gcntnnnggn ntgtgtactt 180  
accntgtant gtgatgacaa tactctgcct cnaccanntn t 221

<210> 1581

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 12, 13, 15, 18, 20, 24, 31, 35, 37, 40, 44, 54, 62, 63, 64,  
71, 72, 74, 83, 84, 85, 92, 110, 191, 203, 207, 210, 213,  
215

<223> n = A,T,C or G

<400> 1581

aaaagacaaa anntntgnan aggnctggga ngctncntan tgggctacat aatncagccc 60  
tnnngcacct nngngatctc tgnnnaactt tnccttgggtg actgtgcttn atccacatta 120  
accatgcttg catattgtct cacattcacc aagcttggtc ctgccttggg gcctttgtac 180  
ttaccatggt ntgttttgag aanactntgn ctnangatat 220

<210> 1582

<211> 391

<212> DNA

<213> Homo sapiens

<400> 1582

ccacagcacc agcctcttct ctagaacttg ctactcttaa ctcttttaat atcaaacttc 60  
tttacccttc aaggctccctt cagcatggcc ctgcccctcc tgtctcttct ttctctgcct 120  
ctcgctgtaa ctactgctc acacttttac ctctgcatct ccacacacca aaccttccaa 180  
caaaacaggc ttctctctgc aggcaattca catccctcac ctctttcaaa ctctacctcg 240  
aaactcctct tttccagaaa gcgctcggtc tccctgggtc cagtcctca ttacctggct 300  
cacgtaatgc tctgggtatc agaggacctg ggctatagtc ctgggtcctgc cacctgttgg 360  
ctgttatggt cttatgtatt ttcttatttt t 391

<210> 1583

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 211, 268, 370

<223> n = A,T,C or G

<400> 1583

```
ccagtgaaag gaaacaaaac tggcagtttg tccatttgaa tatcagacct agttttcttct 60
taattttccac actattttctc ccatatttctt taaactttctt ggcatccttc atgccttaca 120
gctacccaga tgcaataaaag tcattgtaca gtattttctta caatataagt tatatgcaat 180
gttcagcatt tttttttttt cacagcacta nagaccctgt taaatagggg atatgagtca 240
gaatggctta ttcacagatg ggggtccanat tcagtgggtg gaacacagac accacagtga 300
gctcctttgc aaagtggcaa acataatttt gctttctgcc ttcaaaaaca tatatccatc 360
gcggttaggn tt 372
```

<210> 1584

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1584

```
ctgctgcttc agcgaagggg ttctggcata accaatgata aggctgccaa agactgttcc 60
aataccagca ccagaaccag ccactcctac tgttgcagca cctgcaccaa taaatttggc 120
agcagtatca atgtctctgc tgattgcaact ggtctgaaac tcccttttga ttagctgaga 180
cacaccattc tgggccccat taaataccgt agagccctct c 221
```

<210> 1585

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1585

```
ctgattttta tttttcttct tgatttctct ctacagtttc caaattctct acaatgaaca 60
tgtacttctt tttaatatca aaagacaaaa gaattgggtac gtaaaaagaa catccttccc 120
atcttcaagg tcaagattga acgctgactc ctgcaggaag tcttccagga ttcccaggca 180
ggaatgatgg ctccctgtcc ctgtagctcc aggagtctt gcttcacgca cgccccacat 240
accagactga atgttggcag gaggagtgc caggtcgggc atctgtgtcc ctaccaccta 300
caacaggcca gcaatctacc cgtgtgtgtt tgttggacag aattaaccat gatgggcggc 360
cgagggcgcc tggag 375
```

<210> 1586

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 31, 54, 89, 117, 127, 140, 153, 156, 165, 175, 179, 203, 223, 236

<223> n = A,T,C or G

<400> 1586

```
aaaaaaaaatcc ccactgtcat gaacataaat ngagggttttc agcccgggta taanctgaat 60
caaaaaaagg aaataaaaaa tccaatagng tattaaacat ttttactca tttgcctac 120
tgacagngca aatacaaatn tggactaaat gtncanactc tcaancaaca atgtncagnt 180
ttcttcgtcc tccatgctaa aanatgtaaa agcttaaggg tcnaacaata ccaatngtat 240
aggcttcaaa aaccatctaa gttaggg 267
```

<210> 1587  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 28, 56, 235, 287  
 <223> n = A,T,C or G

<400> 1587  
 aaaattcatg gaagtaataa acagtagnta aaatatggat actatgaaaa ctgacncaca 60  
 gaaaaacata accataaaaat attgttccag gatacagata ttaattaaga gtgacttcgt 120  
 tagcaacacg tagacattca tacatatccg gtggaagact ggtttctgag atgcgattgc 180  
 catccaaacg caaatgcttg atcttggagt aggataatgg ccccaggatc ttgcngaagc 240  
 tctttatgtc aaacttctca agttgattga cctccaggta atagtntca aggttttca 299

<210> 1588  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 1588  
 gatgacttca tttctcagga cagaatgaca caaacacaag aagcagtctc tagggctggc 60  
 tgagaccaca tttatctggt ctcctaaaag cactagctca gctcccaaaa gaagaattac 120  
 aaatctgaga agttagagga aaggtacaga ataggaattc tgattaacaa gaaaaatcaa 180  
 ttaatgacat tgggtactcta ttcttcatat cagtaataat acaaactcag ccctttttaa 240  
 tcagagaatc tgccattcta tatctaataa agtagcttta caacccttaa agtaaaagaa 300  
 ttacatgaag gtgtaaacca atttgcctc 329

<210> 1589  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

<400> 1589  
 aaaaaatttg atttagcatt catattttcc atcttattcc caattaaaag tatgcagatt 60  
 atttgcctca agttgtcctc ttcttcagat tcagcatttg ttctttgcca gtctcatttt 120  
 catcttcttc catggttcca cagaagcttt gtttcttggg caagcagaaa aattaaattg 180  
 tacctatttt gtatatgtga gatgttttaa taaattgtga aaaaaatgaa ataaagcatg 240  
 tttggttttc caaaaaaaaaa aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaagcttg 300  
 tac 303

<210> 1590  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 26  
 <223> n = A,T,C or G

<400> 1590

```

atattttttt cctttgcatt catctntcaa acttagtttt tatctttgac caaccgaaca 60
tgaccaaaaa ccaaaagtgc attcaacctt accaaaaaaa aaaaaaaaaa gaataaataa 120
ataacttttt                                     130

```

```

<210> 1591
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 25, 38, 61, 97
<223> n = A,T,C or G

```

```

<400> 1591
cctaaagagc tanagaagca agtangggcc agggccanag tcggcttcaa tggaacaaca 60
nccccagtgc ctaaggcccc taactcttgc tggctgnttc ttgaccccaa gccagggttg 120
gga                                             123

```

```

<210> 1592
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 513, 606
<223> n = A,T,C or G

```

```

<400> 1592
ctgaagaaac aggtataaat ttggcagcca gtaattttga cagggaagtt acagcttgca 60
tgacttttaa tatgtaaatt tgaaaatact gaatttcgag taatcattgt gctttgtgtt 120
gatctgaaaa atataacact ggctgtcgaa gaagcatgtt caaaaatatt taattcactt 180
caaaatgtca tacaaattat ggtggtttct atgcaccctt aaagcttcag tcatttagct 240
caggtagata ctaaagtaat atattaattc ttccagtaca gtggtgtttc ataccattga 300
catttgcata ccctagaata atttagaaaag acatgtgtaa tattcacaat gttcagaaaa 360
gcaagcaaaa ggtcaaggaa cctgcttggt tcttctgaga tgggtctcata tcagcttcat 420
aaacattcat tctacaaaat agtaagctaa catttgaaaca caatttccaa gataaagcat 480
atcttctcat aaataatgaa gtctttttct cangcacctc agaagtatac aaaagaattt 540
gagtttgaac agatctcttg gaatgtgttt aacctggtat ttcaacagac ttaagatttc 600
cagggnnttc caag                                     614

```

```

<210> 1593
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 1593
aaaatgtcca gaataagcaa atctccatat agaggaagta gattagtggg tgcttcggga 60
tgggaggaat gggaagattg aggtctttct ttgacagtga taaaaatgtc ctaaaattga 120
ctgtagcgat ggccacacaa ctctgaatat gcttaagacc attgaattac acactttacg 180
ttggtgaatt gtatggtatg taaatttatg ttcaataaca tagttacaaa agataatcaa 240
aagcatgaaa gcactattga tgtggttttg atctgtgtcc tcaccgagtc tcatgttgaa 300
atgtaagccc cctggtggga ggcgatggga ttatggggca gagtcctcac aaacggttta 360

```

gcaccacccg ctcagtgtgtg ttctcctgat attgagtcct catcacatct ggttgcttca 420  
aagtgtgtgg tgcctccct ctgtctccct cctgctctgg 460

<210> 1594  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 1594  
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa aagttcacag tcaaatgggg 60  
aggggtattc ttcattgcagg agacccagg cctggaggc tgcaacatac ctcaatcctg 120  
tcccaggccg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 180  
aaatgtgtgt acagtgtgta taaaccttct tcttcttttt tttttt 226

<210> 1595  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 1595  
gtttctggaag caaaaggccc aaggtggagt attcagaaga ggagctgaag acccacatca 60  
gcaagggtac gctgggcaag ttcactgtgc ccatgtctgaa agaggcctgc cgggcttacg 120  
ggctgaagag tgggtctgaag aagcaggagc tgctggaagc cctcaccaag cacttccagg 180  
actgaccaga ggccgcgcgt ccag 204

<210> 1596  
<211> 483  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 21, 58, 59, 61  
<223> n = A,T,C or G

<400> 1596  
aaagacatgc caatttgaat nggcatcaaa gtaaaaaaat aaaagcaaat gctaaaant 60  
nctttacaat aaaaaaatta aataattggc aggttaaattg aatgtaaaat gaggaatgta 120  
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctctc aggcttatgg 180  
tttgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240  
catgtaggtt ttgggtgcca atgtttaaatt ttcaaatttt gcatgcaagg cttagcaaag 300  
aaacactggc agaattccag catttgcaaa attctaagtt ttggtgaata ttgtaaatat 360  
tacaattggg attagaaagc catgatgaat ccagaattaa gagaaaacc atttcataaa 420  
tattttgttt gattaaaaaa taccaggctt accatgttct aaataattca agaaaacatc 480  
ttt 483

<210> 1597  
<211> 165  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 56, 59

<223> n = A,T,C or G

<400> 1597

```
aaatgaagaa accatgcctt taggggcccg tgaacacaga accctcaaga caaggntgnt 60
ttatctggag gacacatcta gctgccattg caacctcact gggctcccca gactctgtgt 120
gtgagaaatt aaaccccctg cttgcttgaa aaaaaaaaaa aaaaa 165
```

<210> 1598

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 22, 464, 471

<223> n = A,T,C or G

<400> 1598

```
ctgcaccatt ttcaggatca tnttgatata ctgcatgggc attgcaaaaa tcttcagctt 60
cttacagcac aggcgtagta catttttctt tcgcttcact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa cagggtctacg agcacctcta ctggaatgaa 180
gggctgctct gcctctgtgc tcaaaccatc tacttttgcg ttctttgtca tgggctgagc 240
tgcttctggc tctggaaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaattccag cacttgaagt ttccacctcc tggggcgaa 360
ctcctgggca aggagcacat caagtccatc aagcacagct ttgaaggctc ccagggtgaag 420
atgttgtccc ttcattcacgc actcccagag ggaggcaggt gaanggccag ng 472
```

<210> 1599

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 22, 54, 58, 61, 180

<223> n = A,T,C or G

<400> 1599

```
ccagggtctg tggtgggcct ttagcagcat ctcccggtgc tatcctcccc tcnaccntt 60
nacagctaaa gccaaagtcca gcggccgcag tcttcacctc tccacactca ctttttatct 120
ggtgttttta cttctgcctg cgtttgctct ctagccaata aaccgtcctt gtgtgcgagn 180
caaaaaaaaa aaa 193
```

<210> 1600

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1600

```
ccacgcaggt cagtggtaat caaaactctg ctagagccag aacgaaactc cctcataatc 60
acgtctcggt ccttttggtc catatctcca tgcattggcg atacagtga atctcgagca 120
tgcattctct cggtagacca gtccaccttc ctccgggtgt tgatgaagat gactgcctgg 180
gtgatggtea gggtttcata caagtcacat agtgtgtcca gtttccactc ctctcgttcc 240
acgttgatgt agaactggcg gataccctcc aggggtcaact cttccttctt gacaagaatc 300
```



cgaatgggggt ccctcatgaa cttcttggtc acctcaagca catcagaagg cattgtggct 360  
gacagcaaaa 370

<210> 1601  
<211> 548  
<212> DNA  
<213> Homo sapiens

<400> 1601  
aaaaaacctt caatcaacaa tatataaata acttaatctg aggtaagagg gaaaaatgcc 60  
ctgcaaacac tttagaaaaa cacatctctg ccacactaca gaaatagacc tttaccacat 120  
cttctgaatc cccagttccc tccatctacc aaagattttg ggcaccagaa ctaaagatga 180  
gaatctctcc cacccttacc acttccaggt aaacacaaag ttcattgtca gccaggctaa 240  
agtacaagaa aactgaaccc actctccatc ccaccccatc ctaggatagg tggggccagg 300  
gcagaaatca tggaatgctc aggaactcac ccctcccaag tgcactgagg taagtctctg 360  
aactgagctt cctcccaacg agccactcac ctctctctgg agttcattca cctcctctcc 420  
cttcctcaaa ggacaatgtt taatctctga aattcctctt gccttgctcag cagccaccat 480  
ctggctgcca ctccaaccag tcctcaaaaag aactcagcct ccaaccctga ccccaaatct 540  
gtccaacc 548

<210> 1602  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 23, 219, 325, 335  
<223> n = A,T,C or G

<400> 1602  
ctggagaccc aagttccctt ctnattgctc agggtttagg tgtgtcatct gcctcacccc 60  
actcccccat acatcatgcc ctgtgacttg atgttcacac ttgcatgggt catgactggc 120  
gccatgggca ctggaaaggt gtggtttcca agacccttc ctaccctcca tccagtagct 180  
gtcaaaggga aacttggtga ggtcagctct ctcaactcna agggagacag ggaaaaaggc 240  
agaaaggaag ggagctgta ggatacccaa cagaatccca tctggccttg gtgcccctaa 300  
aggctgtaaa acttggtact tttgngttcc cagangctat ttatccaagg tggctagtaa 360  
attgccttac tgatccaatg gggtcccccc accccacctt gg 402

<210> 1603  
<211> 485  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 20  
<223> n = A,T,C or G

<400> 1603  
aaatgttgaa ctgagctaan gatgcacttt cttgtggaca tagaaggggc ccacgtaagg 60  
ccctgagtag gctccttagt tgctgcttta cctgatgagg gccaaagaga ttaactctgc 120  
ctcgttgcca tgtctcagaa aagttgccat atttcaccca gaaggggctc gtttttctct 180  
tactcttact ttaaccatgt gcctggagga gccattctgg gctcttgac ttgcccagcc 240

```

tttctttgcc aggggcagag aagggaagg gggtagattg agtgtgccaa gggccgtgca 300
agggcaggct tgccttccac ccatctgctg agggagccct ctcccctcgc tccttgccctc 360
tggtcacacc tgttgtcttg gaagaggatg gtccctttgt cttaggcctt tgtgataaag 420
tcatctccag ttaggatctg cacctgtttc ctctgtaata gtgcctggcg gcctttctga 480
agtta 485

```

```

<210> 1604
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<400> 1604
ccaatcagtt tgcaatttat aaacctgtca ctgatttttt ctttcaactt gtggatgcag 60
gcaagggtgga tgatgccaga gctctcctac agagatgtgg tgcaattgct gaacaaaccc 120
cgattttgtt gttgttcctc ctttaggaatt ctaggaaaca aggaaaggca tcaactgtga 180
aatctgtgtt agaattgatt cctgaattaa atgaaaagga agaagcatac aattccctca 240
tgaaaagcta tgtctcagag aaagatgtca catctgctaa agcactgtat gaacatttga 300
ctgcaaagaa taaaaaattg gatgatctgt ttctaaagcg ttacgcatct ttgctgaagt 360
atgctggaga gcctgtccct ttcattgaac cccctgaaag ctttgaattt tatgcacagc 420
agct 424

```

```

<210> 1605
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 475
<223> n = A,T,C or G

```

```

<400> 1605
aaaaggctag aacatccctt gacttcttga aaatctgcat gtctggcttg ggttttatta 60
ccacatgcct gagttcttca agaatggaag gctcaagtat tctcatcttc catttgccaa 120
acttcccttc tgatttgagt cacgtgttcc acttggaag aaagggaaca gagagcctcc 180
tccatggaca gtgtatgaat ttcattggga atcttgctct ctccgcctc tatgccttc 240
tctcttttta accttacttt acataatatt atagatgggc caagaaaaga aaagatgaca 300
taacattttg atgaattaca cctattccat tcttcacgtt tcagaattgg tcgactttgt 360
tagaagataa ttgaagtagc cttgggtcaa aagcaacctt ttcaattgtg atcataccta 420
aaacatataa aaaccctgcc gtagattaaa agcaattata aaatcataaa attgnatgtt 480
tgcagaatcc tggagcagta gatttctttg tctttggcct gcggact 527

```

```

<210> 1606
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 1606
cctgtctcca aggtccctta gagcaaccca tacaaccaac aggctgcgta cactaccaag 60
gaagctgctg tgtgcagcca tcgcacactg ggtcctccatg aggaaaggaa ctcagtcggc 120
ttaattggct gcggagcatc ccaagaacca ctgaaaaggc gccactgggc tcctctgcca 180
gcttcagcta cctgctggca agatggttgt cattcagcta aaagcaagaa gagctactcc 240
catcaccagt gtttccccta acctgtgggg aagagcttgc taagacttac tcatgctttg 300
tttgtatctg caggaagggg tcctgagtga ccactgaaag tcacttgcca gcctggcttt 360

```

```
tctagtagcc atagtggctg agtcactggg gccacctcta tgctctgata aaataatgca 420
agcctaataa tgtagagact ccaactgcct taaaaggccc agaccaagct cacctgtcag 480
ccccagcaca ggacaacatc ttgttgatgc ggatgacgtg gaaggggtgg agccgc 536
```

```
<210> 1607
<211> 124
<212> DNA
<213> Homo sapiens
```

```
<400> 1607
tacgtgatag atgttacgct gccttggtga aaatttcact gactttgatt ttattacttt 60
tttaatgata gttatcaaac ttgtatttaa gctgcttgct atttatggaa tattgaactt 120
attt 124
```

```
<210> 1608
<211> 327
<212> DNA
<213> Homo sapiens
```

```
<400> 1608
aaaacaaaaa aaaaaaaga gagagagatt aaaaacagtg cattacaaaa acaaaaatca 60
aacttcctta agtggcactt ctgaaagttg aactgacact accagaagaa atttaggcca 120
gttaagacag ggatgttctt actcaattgg tcattaaaaa catccacttg tttgtaatac 180
gtatttataa ttactttttg atgattgaaa aatagaacaa ggttttacta ggtttactta 240
tgacaatgac tagacaacca gagatccaac tggcttagcc ctacttatcc aaaagtacat 300
ttccaataag aatatacttc aatgatt 327
```

```
<210> 1609
<211> 208
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 200
<223> n = A,T,C or G
```

```
<400> 1609
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaatttt attaatagga ttaattttta ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgcttttttag taaatttggt tttctttgca gatatgaggg aaggcaccat 180
tggagatatg gctatcctgn gtataaca 208
```

```
<210> 1610
<211> 425
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 63, 360
<223> n = A,T,C or G
```

```
<400> 1610
```

```

aaaatcaatg gtgatgttct tttttaagca acattcttct cttccctaata agctacaagt 60
atnatacagt acgcaacagc tcacttgaaa gtgctagaat cagaggataa agaagccata 120
agccacccca cttacatttc ctactatata atgccttttt ggcgcttgat aaatcaagca 180
ttcatgtagc attacattca acagaaacat ttctcgtact ttgggtttta gatccttgtc 240
cctccagttc ggatgtcgtg acatctgact cttcatcatt gtaaataatt tcagccattt 300
gccatatctg catgatgtta tcctcagaca ctgagcaaat gaccaaggc tcattggggn 360
tccagctaaa atctgaaatc ttagcagtggt gtcctccatg aataaacagg agttctggag 420
gccca 425

```

```

<210> 1611
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 22
<223> n = A,T,C or G

```

```

<400> 1611
ctgggggac tgaatctact antaacacaa gcaattcact ctgggaattc tgtcaaatat 60
ggtggtatct gttaaaagct tgggaagtaga aaagggccag ttcatcttga tcatacaaat 120
tagggaatgc acccacaact gcaataccct caggcagtat gccaacattg aaatagaaag 180
catctctaaa aagcactggt cctccatggg tgaagactgg tattaggaag tgcacacaca 240
atttttgggt atttgttgca acaggaacac gtggatttat gacactcaa cctagacact 300
gcaaagttaa ctggtaatat tttttttttt tt 332

```

```

<210> 1612
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 1612
aaacaacaag acgcttgact tgaagggaag actatctagg attctttttt gtttttagagt 60
aatttatccc tacttaaaga cagattgccc tacatgtaac agctacgtac aaaaaagtta 120
taaaattgtc cttggtttta caatgataaa tgaaaaacat taaaattctc caattgaaca 180
aggatgcaa ggatttttat gttgttggtt tttttttttg ttaaaacagt gagagcaaaa 240
taacttactg gaatataaag ataagagctg aatgagcatg ccactaatgg agaaaggggg 300
tattttcaca gaatcagtat ttttcccat cccgtctcca cttgatgtca atcaaaacat 360
accattggct gtttagttaa aaaaaaaaaa aatgcaatat gcttgtgcac atataccagt 420
tactttatgt acaataaagg aatggggaag ggggaaatga aagaatagag aaaactatac 480
ggtagtagtc aggatgtggt ggaaccaaat tgcagttttc taattgagaa tgtaatcttg 540
gtcttt 546

```

```

<210> 1613
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 1613
cctacttggt tgcagcttcc acacactgca cctacctact acctctcttc catgcttaac 60
tgggtttaga aaggtgagct atgcgtagaa gaactacttg ggatattcaa gtgctgtatt 120
tgaacgataa gcctatagat aacagctctga agctgcaagg gagactttgt tagtacacta 180
ctataaacag gtaaaactacc tgtttgtact tgatatagtg catatgaaat gactgattta 240

```

```

atacaaaact acagaacatg caaaatTTTT tctgagatgt taagtattac ttcagtggag 300
aacaaaactt acttaacctt tcgctaatagc atgtagtacc agaaagcaaa catgggttta 360
gcttccttta ctcaaaatat gaacattaag tgttgtgaat ttgtctgccca agtgggttcag 420
aaatacatta taaataacct agttaaaaaa agaaactgtg aaccatcttg gtcagtctat 480
tctattctat gtttatatgt tattttctca agcaatcgct tcataattat aggggtttaca 540
aaaagg                                           546

```

```

<210> 1614
<211> 314
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 60
<223> n = A,T,C or G

```

```

<400> 1614
ctgatgcggt ggtgcgtgtg atttgtcaaa agaaagcctt ctggatgctg ttaagatgtn 60
cccttcaggt gaacctggta tcagaccac agtacttgct gtttgagaaa aaataaaaac 120
aaaaagggtca cctgttctcc agcccttttc tcttacctgg tatttccttc ctttctcctc 180
ccccacccca aataaaaaaa caaaaaacac tagaatttat ttatatgtat tgatgttgta 240
ggtctagggtg aaaaaaaaaa aagtaaatgt ttcactgctc tatttatgaa aaaaaaaaaa 300
aaaaaaaaaa aaag                                           314

```

```

<210> 1615
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 64, 203, 219, 290, 298, 310, 312
<223> n = A,T,C or G

```

```

<400> 1615
aaatatcaca agtaggtctt nagtgtcatc tggcatcttc tttctgtagc caggggattt 60
ttanatctta ttcacagacc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaattttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca ttnccttcaa ggattaatnc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatcctaa ccctgcggat atatttttcn cccaaganat 300
cgccggattn cnacaagag                                           319

```

```

<210> 1616
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
ctgattaaaa catgtgtgag ctgaaggcag gcgatctgtg gacctgtcat ctcgatggat 60
ctgaaacttc tgaatgccat tcatgccttc gagggcagca aagccttgca ggggtacctt 120
ggaagtaccc gtgacaaact ggaggaactt ggcacggtca gcttgatcga aagaacgcaa 180
tgctctccag aaccactgga tctgaataga gttggactgg tacttggtgt attcagtgtt 240
ggatttcaga tcatcgatgt caatggtggg cagtccctgat ataagcagct ctaactcctg 300

```

ctcagtgaag atggaaatga ggcgctttgg aatgatctca tagaagcctt ctaagaaagc 360  
cgccaactgc ttgcggatgg ctctgtcat tctcatctgg cataccag 408

<210> 1617  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 56, 60, 64, 295, 344, 355  
<223> n = A,T,C or G

<400> 1617  
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggggactn 60  
ttanatctta ttcacagcc tgctgaacag ttcttttttc agagacatag ataccatcca 120  
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180  
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240  
ctgaacaagc aacacctggc ctcatccgaa cctgcggat gtatttttca cccangaaat 300  
ttcggatttc aacaagagac ccattctcct ggataacaac gttngatggg gaagngagca 360  
tacacagacc tcatcttg 378

<210> 1618  
<211> 334  
<212> DNA  
<213> Homo sapiens

<400> 1618  
aaaatgttac acaaatttct ttatgatagg acttctcaga gcttttagca ttctaattgca 60  
gagtggaaat gtgaatggca ggattcagta taatcagcac gtcccaactc tatctgaaca 120  
cagaactctt gttctgcata tcatcgattt gcacaccctg gaacaacggt tggtagaaat 180  
caacttggga aatgttgcac agcatgagtg atgaatacag ctaagttagg atcaaagtac 240  
aggcgtatct cgttttactg cacttcactt tactgagctt catagatatt gtgcttttac 300  
aaattgcacg tctgtagcaa tcctacattg aaca 334

<210> 1619  
<211> 394  
<212> DNA  
<213> Homo sapiens

<400> 1619  
aaatacatat aagttatatt acatttcttc catatgaaac caatttattc tgctgagtga 60  
tttcacagat aaaggtgtta cttacttgac ttcaccatga caagaaaagg acaagttttt 120  
ttaagcagca tctttatgaa ttttttatca gtggcagata ttttaatggg ctgcattttt 180  
acaaattcct gatatatctt ggagacctgt ggtacatttt tgctactctg gagatataaa 240  
ttaaatttagc atgatgtatt gccaaaggacc accacgtgga ttgtctacat tgtgatccat 300  
gaggcaactga gaggactcgg ccctcagata caactccctt gggtagatgc ccaggcagaa 360  
cccagcaaat gtatatgcat ctctgggctc tgag 394

<210> 1620  
<211> 490  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 22, 433, 477, 479  
 <223> n = A,T,C or G

<400> 1620  
 ccatccacga tgcctctga cngtgtgagg atgtactggc ccttgtagta gttgatgaga 60  
 ttgaggtact gcagagtga gatgacatcc tccttcttga tgctggtgat ttcactaatc 120  
 tcattgatgg tgatctgtgg cctctccccg ctctccgact tcagcccat caggatctcc 180  
 aggatggctct gggaccagta gcttcgatag gataggaggc caaggctctga gaggggcttc 240  
 tcaggggtcc ctgttttccc ttccactttg gagagtccat agctgaactc gatcagcagc 300  
 ttgccgtagc cccggcgctg gtagggaggc agggttagga tgcaggccac attgtagtct 360  
 tccgttgatt ctttctcctt ggagaagtag cccacgatgt ggaagccctt acagtcatac 420  
 tctgtcatga cgnagaagag gaaagggctct gtgtcatagt acagtgtctt atggtnang 480  
 aaacacttgg 490

<210> 1621  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 1621  
 cgcataatgca ctcaaaatgc tctttgtaaa ggaaagccac aacatgtcca agggacctga 60  
 ggcgacttgg aggtctgagca aagtgcagtt tgtctacgac tcctcgagaga aaaccactt 120  
 caaagacgca gtcagtgtctg ggaagcacac agccaactcg caccacctct ctgccttgg 180  
 ccccccgct gggaagtcct atgagtgtca agctcaacaa accatttcac tggcctctag 240  
 tga 243

<210> 1622  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 21, 55, 59, 60, 397, 442, 471  
 <223> n = A,T,C or G

<400> 1622  
 aaaaatgtaa caaacatctt natatctgac aataaaatct gaaatgctgt aactngggnn 60  
 attaactgca ccatccaaat tcttgtgact tacgcatttt tgcccaattt aacctttctg 120  
 atgttcccct gccccagac accataaatg cattgttaatt ttgaaaatat ctgccaaacta 180  
 cacactgaaa attttaacct gatcaattga cataatataa aatctgtccc aaagcactga 240  
 aacaagaaaa tctataccat catgctacag acgtacttag aaaacttaaa aggaagagta 300  
 aatatcagct cagtgaattta taatgaagct aataaaattc aggccagtat tcttaagtgt 360  
 aatgaacatt atttgaacat tcaacacatg aaaggtnaac aaaggctatg aacttgggtg 420  
 aacttaaaac gtttcagatg tngggagtct accagatgta attggattca ngtggatccc 480  
 gtcg 484

<210> 1623  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1623
ccagttgcat ttcccttgca ggcttgagcc caagccagag ccttgaaaag gtattcaggt 60
tggtgccccaa aacactgaaa aaaactggcc ctggccctga accaaatacc ttgaaccctc 120
gtaaactcca taccctgacc cccttgtttt ggatataccc aggtagaaca actctctctc 180
actgtctgtt gtgaggatac gctgtagccc actcattaa g tacattctcc taataaatgc 240
tttggaactga tcaccctgaa aaaaaaaaaa aaaaaaaa 278

```

```

<210> 1624
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 164
<223> n = A,T,C or G

```

```

<400> 1624
aaaatgntca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttcactaa tggtgatatt tggntgatgg ttgagcagtt 180
gctgaaatac acatttagtg tatggaaata caagacagct aaagggctg 229

```

```

<210> 1625
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 62, 63, 367
<223> n = A,T,C or G

```

```

<400> 1625
ctgaaacggt aactcagagg gtcttttggg gcaagtagtt ttcagaaagc gtctgctctt 60
tnngacggta aggatcctct acaagggcac gtgcagatcc aggcgctgga gcgtcaggca 120
tgggcaccat ttcatgctt caactcaaac tccaggtggg agtgagctca acggtccttc 180
attccacaaa acatgacagc aaattcatct tctaaaaaaa gttttgtttt gtttttacc 240
attcaacagg aaaaaaaatt agacacacac gatgaaattt acaaccagca gcatcatcca 300
tcacactgtc tgtactacca gatcctacac ttaaagctca gcattattgg tataaaaact 360
taagacngca ttagaattct taagaaaagg tgtaaaattt 400

```

```

<210> 1626
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 156, 183, 273, 292, 303, 304, 311, 341, 343, 351
<223> n = A,T,C or G

```

```

<400> 1626
gccgctctgg accgtctcaa ggtgtttgac ggcatccac cgccctacga caagaaaaag 60

```



```

cggatggtgg ttctgctgc cctcaaggtc gtgcgtntga agcctacaag aaagtttgcc 120
tatctggggc gcctggctca cgaggttggc tggaantacc aggcaagtac agccaccctg 180
gangagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca gctcatgagg 240
ctacggaaac aggccgagaa gaacgtggat aanaaatatt gacaactaca cngaggctct 300
cannaccac ngactcctgg tctgagccca ataaagactg ntnattccct nagaaaaaaa 360

```

```

<210> 1627
<211> 584
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 309
<223> n = A,T,C or G

```

```

<400> 1627
cttgaagtcc agtgtttcca cggctggata cctgtgtgtc tccataaaag tctgtgcacc 60
aaggacgtta aaggcatttt attccagcgt cttctagaga gcttagtgta tacagatgag 120
ggtgtccgct gctgctttcc ttccgaatcc agtgcctcca cagagattag cctgtagctt 180
atatttgaca ttcttactg tctgttgttt acctaccgta gctttttacc gttcacttcc 240
ccttccaact atgtccagat gtgcaggctc ctctctctg gactttctcc aaaggcactg 300
acctcggn cttactttgt cccctcacct ccacccctc ctgtcacccg cctgttgaca 360
ttcactcaga gaagaccaca ccaaggaggc ggccgctggc ccaggagaga acacggggag 420
gtttgtttgt gtgaaaggaa agtagtccag gctgtccctg aaactgagtc tgtggacact 480
gtggaaagct ttgaacaatt gtgttttcgt cacaggagtc tttgtaatgc ttgtacagtt 540
gatgtcgatg ctactgctt ctgctttttc tttcttttta tttt 584

```

```

<210> 1628
<211> 163
<212> DNA
<213> Homo sapiens

```

```

<400> 1628
gcctggacgt acaataccac ttctgctgtc acggtaaagt ccgccatcag aagactgaag 60
gagttgaaag accagtagac gctcctctac tctttgagac atcactggcc tataataaat 120
gggttaattt atgtaacaaa aaaaaaaaaa aaaaaaaaaa aaa 163

```

```

<210> 1629
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21, 22, 60
<223> n = A,T,C or G

```

```

<400> 1629
aaaccttatt ctaggaggac nntttcacat tgcgtctaac ctcttcctgg cctcttaatn 60
ttgggttggt aaatcttatt tgctttatct ccttggttcc tctaagttgt aatctcggag 120
ttaaaaacag ctttagaacc ccgccccccc aaaaaaaaaa aaaaaaactt ttgagaattt 180
ttttcaaata aatgtccatt gcatagaatg ggtctgtgac tggctgcttc tacatctgca 240

```

```

cccaacatct ggcccccttc agaactctga gtggacagga tcaggatttg actcaggagg 300
attagaatgt gaagaatccg tgtttgaggg attcagttct ccaactgcct caaaggggtct 360
caagtttgca taagtcacct cctggggccag                                     390

```

<210> 1630

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 61, 419

<223> n = A,T,C or G

<400> 1630

```

ccacatgggt gatgatgggt gcaaagttgg tagggccata gaggcgaact tggggcaggg 60
nttggcggta ggcattccaca atgccctgga tgcctgcaca gtaggggtta ctgggggttg 120
aattcaaggc aaattcatgc gagacctgcc agtcaggggg aacctgggcc ccaaattccaa 180
atgcagggaa cagcttgtct gagtcatagt cctgaaccac gctgcccaca ctccacagtg 240
ccatcaggta ctcatggacc cctggttgac tcaggtagtg tagggagtca ggtgaggagg 300
ggtctccatt ggagccagtg aagtccacgc ccacagtgaa gttgatctga cagcctccca 360
tcacatagtc cagaaaggag tactctgttt ctacccgaca aatcttgaca cggatagtn 420
cagagttctt gtagcttttc tttttctgct gcttctcagg gtggatgcat tcaaactcag 480
ccgggactgc ctgcag                                     496

```

<210> 1631

<211> 310

<212> DNA

<213> Homo sapiens

<400> 1631

```

taaccgaacc ctggctacct acagctacaa agaagctttg aagcttgatg tctactgttt 60
tgaagcggtc gatcttttaa catcacatca catgctgaca gcacaagaag aaaaagaact 120
tcttgaatca ctacccctta gcaagctgtg taatgaagaa caggaattgc tgcgttttct 180
atttgagaac aaattgaaaa aatataataa gcctagttaa acggtcatcc ctgaatctgt 240
agatggcttg caagagaatc tggatgtggt agtgtcttta gctgagagac attattataa 300
ctgtgatttt                                     310

```

<210> 1632

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 20

<223> n = A,T,C or G

<400> 1632

```

ccaggagcta agcttgagtn tcctttactg aatttcgttc ttagtgcagg ttactttag 60
attctagtct tcacaggctc cctggggctc ttaactagtc acactgggag tcatgaatgt 120
ctttccaata attcagggaa ttctagagat cctcaaactg taaggtctat tcataactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtagggttca acatggggtt attgctagaa agatccaggg 300

```

```

gatagcttta ggtttaactt cggctcacca acgtaacttt ctaatcattt atttcaagta 360
atagctagaa gtgggtctga atgttttccc agagtctgat acgtgttttt ttttgccaga 420
agagaggtct tcaggagact tcattt                                     446

```

<210> 1633

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 59, 60, 267

<223> n = A,T,C or G

<400> 1633

```

aaattaaaag tgccctacct ttacctaaat ggctagcaga catggagaac accacagtnn 60
tgaatccaca gagctttctc catgtagcta taacaatgtg ttgtcgaatg gcacactgtc 120
aaacactgga aaggggcgcc acaatggacc tctctctttt ataggaacga atgctagatt 180
caactatctc aactaagcag gaagtgggtt cttctgctag gaatgccaac cctaattcac 240
tttgtcttga aatatataca gattgtntgt agtagctacg gcaatgatat tttccttggg 300

```

<210> 1634

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 297, 301

<223> n = A,T,C or G

<400> 1634

```

acgggacccg ctatggggcc tccctccgga aaatggtgaa gaaaattgaa atcagccagc 60
acgccaagta cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga 120
tctggcactg tggttcctgc atgaagacag tggctggcgg tgcctggacg tacaatacca 180
cttccgctgt cacggtaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga 240
cgctcctcta ctctttgaga catcactggc ctataataaa tgggttaatt tatgtanaaa 300
naaaaaa                                     307

```

<210> 1635

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 19, 58, 325

<223> n = A,T,C or G

<400> 1635

```

cctgctcgct gggcagacnt accatgtggc tgtggtctgc tacctgaggt ctcaggtnag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180

```

```

tgaacacagat atatgcaagt tgccgaaaga cgaaggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggatatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacanaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaaccgga gtcacagtg tgatgggaac ctaagcgtgg gtgg 404

```

<210> 1636

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 8

<223> n = A,T,C or G

<400> 1636

```

ngatgatncg ccaagcttgg taccgagctc ggatccacta gtaacggccg ccagtgtgct 60
ggaattcgcc cttagcgtgg tcgcggccga ggtccattcc agaggactct ttagtcatat 120
gcagcaacat gacattttag ataccctgtg taggaccatt gaactctaca tccatgtcgt 180
cacaaggata tctggcaaaag gaaaccaagc tgcttcttga cattaggtgt agcatgtcta 240
cttttaagtc cctcaccccc aacccccatg ctgtttgtat aagttttgct tatttgtttt 300
tgtgtcttcag tttgtccagt gctctctgct tgaatggcaa gatagattta taggcttaat 360
tcttggtcag gcagaactcc agatgaaaaa aacttgcac ttcagtatac ttcctaaagg 420
gcaatcagat aatggatatg ttttatgtaa ttaagagttc acttttagtg ctttcattta 480
atatggctgt ctgggaagaa cagggttgcc tagccctgta caatgtaatt t 531

```

<210> 1637

<211> 610

<212> DNA

<213> Homo sapiens

<400> 1637

```

ccttgcacaa agatggtggt gttgtctgaa ttatcctggt cggagtcatt acgtgaccc 60
tggtcccagag ggccttttagt gacatggaaa aaaagaacaa aaaaaaacaa aaaacaagga 120
aaagatgagc cgtttagtcaa caggaaaaaa cggacaagga aaaaaattaa caccaaatcc 180
aaacttgtaa aatatcaagt aagtgtctac agcctcactc caaaccttt cctgggtcgc 240
ctgcccagag gagaaaattc taggcaggcc ccttaagatc tgtaacttga gtctccacag 300
agacaactcc acacttcaga aaatgctgcc tccccagct caggctggga aatgtcctca 360
gcacaggtgg caggggaaac ggagacccat taaagtgaac aaaccaactc agcttggccc 420
ggttctctca cccgagagaa gagagatggg ctgcacca ca gcatgcgat gtgcatccat 480
ccagtttctc ccaactttac caccagacac ttaacccttg tggaacaatt ttttaatttct 540
ctttagaaac catccttaaa accgtgttgt ttccccgaaa ccacatgaaa ataaaaacca 600
tacataatag 610

```

<210> 1638

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1638

```

ccatcttctc taaaacccaa attgcatgtg cactgagaaa aatgttactg cttcaaaaaca 60
acaaaaaatg ggaaaaataac tgaagtctag aaacagattt tctccttcta gactcccagc 120
gggctcggcc agcagttcct tattcaaaat caatgtgtct ataactaact ctagtatgtc 180
cacagttcac ccaaatgcc a gatacattaa gactacaaaa taaaaacct a aatgtttccc 240

```

```

cccaaaatTTT cccttaaaac tgttcccca tacctgcaat tcacagatat aatttagcat 300
ttttgttttt atatactaata ttaggcaaaa cccccccgcc actgaatcgt ccaacaaaaa 360
tgattaatTTT gatagaaaca aattt                                     385

```

```

<210> 1639
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 1639
aaaaaataaaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTTaa ggTtcattta caacgggcat ttggcgctga 180
cagaaaaagt ctttctatgt atacattcaa catTTTgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggT aggagtgcaa tattatctta ttaggaaata atTTtatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cgctgaca                408

```

```

<210> 1640
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<400> 1640
ctggtaccaaa taggaaagaa gactccagct aatgaaaaag tagagattca aaaacatgcc 60
acaggaaaga agtctccagc aaagagtcct aatcccagca cacctcgtgg gaagaaaaga 120
aaggctttgc cagcatctga gacccccaaa gctgcagagt ctgagacccc agggaaaagc 180
ccagagaaga agccaaaaat caaagaagag gcagtgaagg aaaaaagtcc ttcgctgggg 240
aaaaaagatg cgagacagac tccaaaaaaag ccagaggcca agTTTTcac cactcctagt 300
aaatctgtga gaaaagcttc ccacaccccc aaaaaatggc ccaaaaaacc caaagtaccc 360
cagtcgacct aaagtcagtg attcaactgg aaggaaacct caatgctgcc tccagagctt 420
tttgaaata ctcagatcct ggccgccttt gtaaccttct ctaaactca gg                472

```

```

<210> 1641
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 1641
ccaagtcaaaa attgggcccc gcgtctttct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggcccc 120
ctcagggcct caaattagcc aatgggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaaact 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacactgc 360
gcatcatggg aggggtgaaga ggaaaagggg ctagttaaaa tcttgcttct actgtgggcc 420
gaactcagga ggagccctaa agctaagccc ttgggcttga cagctctact tttcacctct 480
aactaccact gtgccaatga gtgccgagtg ccaagatcag                520

```

```

<210> 1642
<211> 322
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 1642

```

ctgaacacaa gcaaaccttc tcaggagggtg tctcctaccc tcttattggt cctcttacgc 60
tctgctcaat gaaaccttc tcttgagggt cattttcctt tctgtattaa ttataccagt 120
gttaagtgac atatataaga actttgcaca cttcaaatca gagcagtgat tctctcttct 180
ctcccccttt ccttcagagt gaatcatcca gactcctcat ggatagggtcg ggtgttaaag 240
ttgttttgat tatgtacctt ttgatagatc cacataaaaa gaaatgtgaa gttttctttt 300
actatctttt catttatcaa gc 322

```

&lt;210&gt; 1643

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1643

```

aaaattctga tctatgcata aaattcattt ttatatcacg gttaaattta gtacaaacta 60
taaaaatggt aacactgaag ttttcaacag aagtctatta agatgcctta gaaaaattaa 120
acaacagcaa gtcatttact gctatgagggt taatacataa agaaacattc acacatttta 180
ctgaaatttt cagtaaataa ctttagccat aacacttata attaaaagtt caaaagttgt 240
gtgtggctct acagcaatta taaatttgca tgaaaacact aagccaaatc tttttgagct 300
gatcagaaca atcttagcta caaaattggc tgaaatttgc aaaccttaaa aagaacacca 360
attgtgaatg gaatagggtat cataacttag cttaaagtgg aagatggtaa aaactcgatg 420
cttaagtctg aattgcacaa ggaaaatatt aggggaaaaa acactcagct attactgata 480
gctattactt t 491

```

&lt;210&gt; 1644

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 297

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1644

```

aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60
cattccacca ttttaatttt tgtaactgct tatttatgtg aaaaggggta tttttactta 120
gcttagctat gtcagccaat ccgattgcct taggtgaaag aaaccaccga aatccccag 180
gtcccttggt caggagcctc tcaagatttt ttttgtcaga ggctccaaat agaaaataag 240
aaaaggtttt cttcattcat ggctagagct agatttaact cagtttctag gcacctnaga 300
ccaatcatca actaccattc tattccatgt ttgcacctgt gcattttctg ttgccccca 360
ttcactttgt caggaaacct tggcctctgc taagggtgat ttggtccttg agaagtggga 420
gcaccttaca gggacactat cactcatgct ggtggcattg ttacaagct agaaagctgc 480
actggtgcta atgccccttg gggaaatggg gctgtgagga ggaggattat aacttagg 538

```

&lt;210&gt; 1645

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 207

&lt;223&gt; n = A,T,C or G

```

<400> 1645
aaatagtaga gacgggggtct tgttatgttc cacaggctgg tcttgaactc ctgggaccaa 60
gcaatcctcc cacctctgcc tcccaaagtg ctgggattat aggtccaagt caccacgccc 120
ggcctatttt attccacttc ggagaccgcc ccccttgtcc ctcagatgca tccaaatcag 180
gagttaggga tcatactcca ctgtggncct gaattataga ataatgaagt cctagatgtc 240
agcgccccct ggctgcatga tagtaagagt atggctgagc ctgtcttgca gatcatccag 300
tacctgtaca ggccaggcta cactgttctc cagcactctc tgtagccaag tgccagtaat 360
cacagactag gctacctct                                     379

```

<210> 1646

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 303

<223> n = A,T,C or G

```

<400> 1646
aaaaagaatt ttttttgccc tacaaactca tgaaaagaaa cttcaccatc ttttctcaaa 60
accaaacctt gcaggctcta gatggaaaaa gtccagaaag caactcactt gatatgatgg 120
aagacaacaa aggcatgtgg tgataggctc tccgttatcc aagggaagcc agcaatatgc 180
gggcagggtc ctggtgatgg gctaggcatg tccaataata aacgagactc agggaatcag 240
agaatcacag gattggaagg gactttaaga atgatgatca aattcatccc tcaagccttt 300
aanctccctt tcaacatctc tggcaaaggc tctacactgt gtgttaaaaa aattccctgg 360
tatgggacat gcaaggaaga catcccattc caatttagga ccgatctaatt ttttagacac 420
tgctttcatg tgttaaacct aagtaggctt cttggtggaa aggagataat gcttaaaggc 480
aaaaatacaa gccacaaccc tggagggttg acgtggttct tggttaagaa actgagctga 540
agttt                                     545

```

<210> 1647

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 180, 206, 273

<223> n = A,T,C or G

```

<400> 1647
ctgaggttgt cagtacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttcagggtc tttgagttgc acgtcaaata tggggctgat caccacacac ttgttttagcc 120
tgctgtgag gttcacacaa attttcccag ctctgtgggc atcaatgatt tcaaatcgn 180
caatgtagcc atgttcatc atcacngtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcgtttg cctctctttt ggngcattgt tgatactctt gagagcagct 300
gccaggac                                     308

```

<210> 1648

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1648

```
gttcttagac atgatcccaa aggcataatc cacagaagaa tccataaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta cttttttgag atgggggtcat gctgtgttgt 120
ccaggctgga gtgtggttgt aagt 144
```

<210> 1649

<211> 517

<212> DNA

<213> Homo sapiens

<400> 1649

```
aaaaggagaa aaaaaaaacc tatacagtag tctttcctta tgttcattgc acaaaatgag 60
ttctgctttt agaactttga cactcaatgg ttaattttac aatttaagat tccaacttta 120
taaccttttt tctactccaa aacacccttg taaagttttt ctttaggatg gtgtaaaaac 180
cagcatttct gcacaattca ctggaatttt tttctttgta ataaaaatct cttctctgta 240
aaaccaaaaa caaaacaaaa caaaacaaaa caaaacaaaa agaaaagtcc tctacctatc 300
atggtttctg cagctatgca tgtatttctg ttttatagct gctttatagc tacttcagac 360
tccagatctg ctttaatgtg tataactgca tccacacgca gcagaatact cttacaatag 420
caacttgggg aaagagatct ggaaaaaaa atacatgagt accaggaaac aaacacggcc 480
cagtaaaata tgaggcaaaa atgcctacaa tgagatg 517
```

<210> 1650

<211> 410

<212> DNA

<213> Homo sapiens

<400> 1650

```
aatgggtaa agccatttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
catttatattg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaaatg ttctgcctac cctgtttgga taaagatatt ttgagcagac 240
tgtaaacaag aaaaaaaaaa tcatgcattc ttagcaaaat tgcctagtat gtttaatttg 300
tcaaaataca atgtttgatt ttatgcactt tgctgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttattttagg aatatatagg 410
```

<210> 1651

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 14, 47

<223> n = A,T,C or G

<400> 1651

```
ctgcaccatt tttnggatca tottgatata ctgcatgggc attgggnaaa tcttcagctt 60
cttacagcac aggcgtagta cttttttctt tcgcttcact ttctcaatga ggtaggagaa 120
caattcatca caggcacctt ccttgaggaa cagggtctac agcacctcta ctggaatgaa 180
gggctgctct gcctctgtgc tcaaaccatc tacttttcgc ttctttgtca tgggctgagc 240
tgcttctggc tctggaaatg agtacagact ggccctgttt ccagaccata cagtccagaa 300
gtcctgatga gagttcttcc gtaaatccag cacttgaagt ttccacctcc tggggcgaa 360
ctcctgggca aggagcacat caagtcctac aagcacagct ttgaaggctc ccaggatga 420
```



atgttggtccc ttcatcagca ctcccagagg gaggcaggtg aagggccagg

470

<210> 1652

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 58

<223> n = A,T,C or G

<400> 1652

```
gtttcttttag attcaagagt ttcgccacct ccgcagcaac ctcgggggttg tctgcctnaa 60
gtgctttcag ttctcggaca atgttttcctt gttttgtcac ttcatccatc agcgcttgta 120
tctgctgtgg cttagctggt gtaacagtct ctacaactgc tggcttcggg gacgtttttg 180
cctggagaac aacaaagtta tcaccagcaa ccataaatat cccctaacct ccagttttat 240
acagcatctc agaggggaaag tggttacctt taagtcgaag gtctcttcta gttaagacag 300
gaaagaaaaa ctgtaagtga ggaagcggca gggccaaaag atggaaagag tgatgggtga 360
ggactactta gggaaattag ggaagtgatg ctgtggctgt tgtggagcga gggcacagcc 420
tttagctttc tcacctggcc ccctccaaag cgctgcctta aactttcaat ctgggtcattt 480
tccaattttt ggaacaaggg actgactgtg ccaatctggg gtcctgctgg taaggtacac 540
aggaagtttg tcagcaggat actgcaggct ggaggtggga gctgcag 587
```

<210> 1653

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 23, 25, 26, 239

<223> n = A,T,C or G

<400> 1653

```
acactccaga atatatggaa aanannaac agcgtttggt tgaaaatttg cgcatgttac 60
ctcatgcacc tgggtgtccag atgcaagcta ttccagaaga tgctgttcat gaagacagtg 120
gagatgaaga tggagaagat ccagacaaga gaattttctat tcgagcatca gacaagcgga 180
tagcttgtga tgaagaattc tcagattctg aggatgaagg agaaggaggt cgaagaaang 240
tggtgatca taagaaagga gcaaagaaag c 271
```

<210> 1654

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 83, 88, 91, 130, 157, 178, 185

<223> n = A,T,C or G

<400> 1654

```
gcaccatccg tctacttacc tcccttcggg ccaagcacac ccaggagaac tgtgagacct 60
ggggtgtaaa tggcgagacg ggnacttngg nggacatgaa ggaactgggc atatgggagc 120
```

cattggctgn gaagctgcag actcataaga cagcagnnga gacggcagcc ctgctacngc 180  
 gaatngatga c 191

<210> 1655  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 21, 33, 36, 66, 75  
 <223> n = A,T,C or G

<400> 1655  
 gcctcttcat tcctctccca ncataacaat cngngnaaca gaatgcgact gctgatttac 60  
 cgatgnattt aatgnaagta aa 82

<210> 1656  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 46, 48  
 <223> n = A,T,C or G

<400> 1656  
 aaaatccttt naaaactggt tattatacaa gtgagttttg agtgtntnat gggcttatcg 60  
 gtaggatttc tggtagcgag cgcgggcacc aggacctcca aactttttgg actcgcagcg 120  
 acgaggggtca gctaccagca ggggtccggtc atactggatg aggatgtctt tgatctcctt 180  
 cttggaagcc tcatccacat atttctggta ataggccacc agggctttgg agatggactg 240  
 acg gatagca taaatctggg ccacgtgacc accacccttt acacggac 288

<210> 1657  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 1657  
 atcttattca tcagcctgct gaacagttcc tttttcagag acatagatac catccaaaaa 60  
 ttctctgata tccttggttt taactgttgt ggcttgctga atcaaagccg ctgaatttga 120  
 aacaagctca atgtcatttc cttcaaggat taattcatct ttctgggctt gagatactga 180  
 acaagcaaca cctggtctca tccgaaccct gcggatgtat ttttcaccca agaaatktcg 240  
 gatttcaaca agagacccat tctcctggat aacaacggtg atggggaagt gagcatacac 300  
 agacctcatc ttgtaacgga agcccagtgt aacacccttg atcatgttct gtacatgact 360  
 acaaatagtc cgaacggtag tcagttcctt tctgttaccc caccatttgt caaccgag 418

<210> 1658  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 37, 39  
 <223> n = A,T,C or G

<400> 1658  
 acaggccact gttggtaaga tctaaagcat gcagtangna aacaaaattg ataaatattg 60  
 agtgtgagta attgggattg gggagattgt ggcaaactag aggggaagtg cccattgtaa 120  
 aaacacatcc acagacagtc caggcactaa ggctgaatgg gatcagggtg tccagaaatc 180  
 tcaggatctc caggggccatg ttactgttag gtcaagggtca ctggtgcagc aacgaatgta 240  
 gtttttctag attcctctcc ctccctgggc tctttaccta atgtctttgc ggcacaggcg 300  
 gtaaccctgg gagtaaagag gtgtggtcca aggaagtagc ttttgtgacc ag 352

<210> 1659  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<400> 1659  
 catttgttca aagagtgtgc caatctatctt ttgtttcagc attggaagtg cactttcccc 60  
 tggggcggtg ggggtgtgtga atgtgcaagt gtctgagaga tactgcatca gccctagacc 120  
 cccagagcca gtcccgcctt ttacagagca gcccttagcc tggggccatg gggtcaggctg 180  
 accttcaaca attatttcta gatgatttct ggataagaat tgctctctcg gtaccagaca 240  
 gtttgacatc ctccaccctt agaaaatgac tgacattgtt ttgttactgc tcctaccac 300  
 caaggggata aagaaggcga gttctgagtg ttggatgagt cagtcgcgtg gaaggacgtg 360  
 gagcgtggcg ctctgttaact tcctgccgtc tgccaccccg ccacgtgtat ttaaccctcg 420  
 cactttctcc actgtggaga tggctggggc ggcgccccac agtgtgtatt cctgtcctct 480  
 atgttagagt gcatcagaag cacatttact gtgctatcta tatctctata taaaagtgtt 540  
 ttataaaaac ccagaatagg agcacgacgc atgattggt 579

<210> 1660  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 46, 49, 58, 61  
 <223> n = A,T,C or G

<400> 1660  
 ctggcccaca gccnccctc tcccaggccc gagatgtgac ccaccngtnt cttctgtnaa 60  
 ntcgttagct ttaatcaatc atgccctgcc ttgtccctct cactccccag cccacccct 120  
 aagtgcccaa agtggggagg gacaagggat tctgggaagc ttgagcctcc cccaaagcaa 180  
 tgtgagtccc agagcccgtt tttgttcttc ccacaaattc cattactaag gaaacacatc 240  
 aaataaactg actttttccc cccaaaaaa 269

<210> 1661  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 16

<223> n = A,T,C or G

<400> 1661

```
ccaggctggt ctcagnactc ctgacctcaa gtgatctgct tgcttcagcc tcccgaagtg 60
ctgtgatcgt aggtgtgagc cactgtgccc agctacctca tcaattctta atctataaac 120
catggatagg cttcgggaga acccaagaac caatgaaatc tgttggttaag ttttatgtgt 180
gcggttttct acagagaggg tcaacagcat gtatatattc aaagaagtct gtggtgcaaa 240
agagagttta ttgttagaag tccttgggca atcaacttgg aaaaggggtg attgagaatg 300
ggggctgtct agatcaggat aatgttgaat ttgacctca cttgaggctt ttgtacagag 360
gatgagaaga cggtaaattc aag 383
```

<210> 1662

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 27

<223> n = A,T,C or G

<400> 1662

```
ccaagtcaaa atngggccca gcgtctntct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gacttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggcccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
acctttctct gcaggctact tctggaaatc cctaggactt accagctttc tgaacacttg 360
cgcatcatg 369
```

<210> 1663

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 16

<223> n = A,T,C or G

<400> 1663

```
acgttttgtg acaggnaata aaattttaag aattcttaag tctaaggagc ttgctcctga 60
tcttctgaa gatctctacc atttaattaa gaaagcagtt gctgttcgaa agcatcttga 120
gaggaacaga aaggataagg atgctaaatt ccgtctgatt ctaatagaga gccggattca 180
ccgtttggct cgatattata agaccaagcg agtccctcct cccaattgga aatatgaatc 240
atctacagcc tctgccctgg tcgcataaat ttgtctgtgt actcaagcaa taaaatgatt 300
gttt 304
```

<210> 1664

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 16, 78, 239, 306, 336  
 <223> n = A,T,C or G

<400> 1664  
 aaaaagtatt ctagcncaag atttttctgt aaactagatt atgttgtaaa cttttttcta 60  
 aatctttagtag gagtgtcngt tgtaagaac tagagcttat tcctattcca aatctatctt 120  
 gcgctcctga aaaactgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180  
 tttttattct tgctggtaat atattgctgc actgagtgtg tgcaattttt attcaaggnc 240  
 atcgtgatgc tgagaagttt cgttgataac ctgtccatct ctagtttcaa cccgcttaat 300  
 cagaangtgc cctttttgag tgggtatcaa ccagangga, tgaaaccaga ttagttctaa 360  
 a 361

<210> 1665  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 38, 170  
 <223> n = A,T,C or G

<400> 1665  
 aaaatggttt ctataaaggg ttttattgta tgaaatanaa ctttatattt ttgcatatgt 60  
 atagatagta attatattta atgtataact atagcattat ggtgagtgga atttgacatt 120  
 gtccaaacct ttttcatttt tgagtgatta aaaatgaaat gtcctttgtn aaaaaa 176

<210> 1666  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 208, 213, 358  
 <223> n = A,T,C or G

<400> 1666  
 ccttcacagc gctcctgtac cctttaattg tgtgtctttc tcacagctat ccgtcagtc 60  
 atctccaaag ccccggtggc ctattaccag aaatgtgagt gagcatgggt ccttcccatg 120  
 aggtaggtgg gtgtgtgggg atcaagtcaa ggactctgtg tgattatcta aatcctcgtc 180  
 cctgctcttc ttgccagatg tggatgangc ttncagaag gagatcaaag acatcctcat 240  
 ccagtatgac cggaccctgc tggtagctga cctcgtcgc tgcgagtcca aaaagtttgg 300  
 aggccctggg gcccgcgctc gctaccagaa atcctaccga taagcccat cgtgactnaa 360  
 aactcacttg tataataaac agtttttgag ggatttt 397

<210> 1667  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 1667  
 ctggtgctgc tgggaggcca gcctggaaga ggcagcagtg gctcaagttt gcgtgcagga 60

```
gccagagtgg gacccacggg ctcttgtggg tgtggttttag aactagatgg tgctttgggg 120
acaagccatc caaaaacccc aggccacat ccaccctgat ttgatatccc acttcctgac 180
agatcagagg ctgtgtcttt aggcagtggg ggtccaggag cagagcctgg ggctgggttca 240
cagctaaacc cctccttagg gcagcccaga gtagggcctc ag 282
```

<210> 1668

<211> 308

<212> DNA

<213> Homo sapiens

<400> 1668

```
ctggttccat agactacatt agtgtgtttg atgtcaaatc aggcagcgct gttcataaga 60
tgattgtgga caggcagtat atgggcgtgt ctaagcggaa gtgcatcggtg tgggggtgtcg 120
ccttcttgtc cgatggcact atcataagtg tggactctgc tgggaagggtg cagttctggg 180
actcagccac tgggacgctt gtgaagagcc atctcatcgc taatgctgac gtgcagtcca 240
ttgctgtagc tgaccaagaa gacagtttcg tgggtgggcac agccgaggga acagtcttcc 300
attttcag 308
```

<210> 1669

<211> 472

<212> DNA

<213> Homo sapiens

<400> 1669

```
cggccatctt agcggctgct gttggttggg ggccgtscgg ctccctaakgc aggaagatgg 60
tggccgcaaa gaagacgaaa aagtcgctgg agtcgatcaa ctctaggctc caactcgta 120
tgaaaagtgg gaagtacgtc ctgggggtaca agcagactct gaagatgatc agacaaggca 180
aagygaatt ggtcattctc gctaacaact gccagcttt gaggaatct gaaatacgag 240
tactatgcta tgttggctaa aactggtgtc catcactaca gtggcaataa tattgaactg 300
ggcacagcat gcggaaaata ctacagagtg tgcacactgg ctatcattga tccaggtgac 360
tctgacatca ttagaagcat gccagaacag actggtgaaa agtaaacctt ttcacctaca 420
aaatttcacc tgcaaaccct aaacctgcaa aattttcctt taataaaatt tg 472
```

<210> 1670

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1670

```
gttcttagac atgatcccaa aggcataatc cacagaagaa tccataaaaag aaaaatttgt 60
aaattggact ttatcaaaat taaaaactta cttttttgag atgggggtcat gctgtgttgt 120
ccaggctgga gtgtggtggt aagtcatagt tcaactgcagc ctcg 164
```

<210> 1671

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1671

```
aaaaaataaa attataaaca aaatacagaa aaatatgtac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTaa ggttcattta caacgggcat ttggcggtga 180
cagaaaaagt ctttctatgt atacattcaa catTTTgcag catatttaca ttcaagttac 240
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
```

```
taaaatcctg tttatttggg aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt ttactactt taacaaaatt cactgacatt tttatcccag 420
ttgaagtcaa gcctctttta gacat 445
```

```
<210> 1672
<211> 292
<212> DNA
<213> Homo sapiens
```

```
<400> 1672
ccttgaacac ggattatccc caaaccccttg tcatttcccc cagtgagctc tgatttctag 60
actgctttga aaatgctgta ttcattttgc taacttagta tttgggtacc ctgctctttg 120
gctgttcttt ttttggagcc cttctcagtc aagtctgccg gatgtctttc tttacctacc 180
cctcagtttt ccttaaaaacg cgcacacaac tctagagagt gttaagaata atgttacttg 240
gttaatgtgt tatttattga gtattgtttg tgctaagcat tgtgttagat tt 292
```

```
<210> 1673
<211> 130
<212> DNA
<213> Homo sapiens
```

```
<400> 1673
ccacagctaa catcattgca gcacctttac tccttcggct ttttgccagc accaacattg 60
gcctttgcag tccccctgac tttcttcatt ctgttcttgc gttcctttcg ttgctttctt 120
gaggtctttt 130
```

```
<210> 1674
<211> 611
<212> DNA
<213> Homo sapiens
```

```
<400> 1674
aaagagattt attaaatcat cttatcacia agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacia tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtcagatta 240
aaagggaac tatgtggcaa gtacctctt tccttccca cccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatatt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atttcttcag gcaggtaagt aaggaggtgg tggttctttt tcaggcattt tcacggccat 600
ttcataggtt g 611
```

```
<210> 1675
<211> 558
<212> DNA
<213> Homo sapiens
```

```
<400> 1675
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtactgggg agggcttctg atgtcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tccactgta tattgcaact 240
```

```
<210> 1676
<211> 498
<212> DNA
<213> Homo sapiens
```

```
<210> 1677
<211> 295
<212> DNA
<213> Homo sapiens
```

<400> 1677						
aaaaatggaaa	catcaattnt	attaacaatt	tacggcaata	gacattttaca	gaacaaaaaat	60
aagacagttc	caagacaaaag	gagtgtaaaa	gtacagccaca	cagggttaata	ctcttcaccc	120
tcatcctctc	cgtcagcact	atctgctcca	acctctctcat	aatccttctc	aagggcagcc	180
atgtcctcac	ggcctctg	aaactgcct	tcttccatcc	ntcaccacc	gtaccagtga	240
acaaaggcac	gcttgccata	catcaggcca	aacttggtgt	cnaggcgagc	ccagg	295

```
<210> 1678
<211> 136
<212> DNA
<213> Homo sapiens
```

```
<210> 1679
<211> 409
<212> DNA
<213> Homo sapiens
```



<400> 1679  
 ccaggctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60  
 ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggtiaccact 120  
 ttcacctatt accatcagggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180  
 tactttatgt ttcagtttac taccacctaa ggcagcaaga gagcaggaag ataagcaaaa 240  
 tagagatgtt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300  
 ataaaaacat tttattcaca aaattgggtca tcacagcatt atttacaata ctgaaaatct 360  
 ggaaatagcc taaatttcta acaattgaaa gaagggttaag taaattata 409

<210> 1680  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 351  
 <223> n = A,T,C or G

<400> 1680  
 aaaaccttta gcattttctgc ctataatatt tgggttttct tcttttccta tctttatttg 60  
 ataagtccca tcaaatattt tccccataat cacaatgttt tcttttcaact ttgctcaaga 120  
 actgagttat gagctccaaa tttggacaaa ctctacattg gctaagtttt agtcatttgc 180  
 actgctaaga aagatgacaa ttcagcatgc tgaagatgac ttctctccctt ataaaggggc 240  
 taacacagag ggcaatactg ttcattgcttc tgattcttga tcacaagaat tgcttttaggc 300  
 aattacaatc atgtctcctc tgacacatca tattattcaa gtgagacaga naaagaagat 360  
 gtcctatgtc acacag 376

<210> 1681  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 1681  
 ctggcattcc ttcgacttct ctccagccga gcttcccaga acatcacata tcaactgcaaa 60  
 aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120  
 ggggtcaaatg aagggtgaatt caaggctgaa ggaaatagca aattcaccta cacagttctg 180  
 gaggatgggt gcacgaaaca cactggggaa tggagcaaaa cagtctttga atatcgaaca 240  
 cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggtcctgat 300  
 caagaatttg gtgtggacgt tggccctgtt tgctttttat aaaccaaact ctatctgaaa 360  
 tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaaccagt 420  
 gcaagtgacc gacaaaattc cagttc 446

<210> 1682  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 1682  
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60  
 ggtattaggg ataattattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120  
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180  
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```

ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcat 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

```

```

<210> 1683
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<400> 1683
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagacc tgctgaacag ttcttttttc agagacatag ataccatcca 120
aaaatttctt gatatacttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggg ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctggt accccaccat ttgtcaacct 480
ggagcctctt ttttttcttt ccaagaaggc tgagttctac attgatgtga ttgaagtccc 540
tccgcagggt tcctctgggg cccttcacga taactgtgcg tcccttcag 589

```

```

<210> 1684
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 1684
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatTTaa ggttcatTTa caacgggcat ttggcgctga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
atttccaaat tctatgcca atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatggt 360
cctactaagt caacttgc atttactact ttaacaaat tcactgacat ttttatccca 420
gttgaagtca agcctctttt agacaaagtc aatactaact 460

```

```

<210> 1685
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 1685
aaaaagtaaa cacatgcctt ttgataaagc ggaattgagg tgatcagaaa ttctgttgag 60
aaccagcta tttgtgtgag tatatttttag ctatcccaaa aactttttct gacctttctc 120
tttctgggat aggatatgtg tgcttagagt atcattcaga agggtagcta atagttaatc 180
tgtaatttag ttacatcagg tttcaaatac taggtcagtg atatgagagc gagagagaga 240
gatttgaatt gtcaaagtga ttgtcagatg cattcacaag agcaggactg cttatctggt 300
ttgttacta ctgtaccctt agcatctaaa tgaataccta gcccatagaa taaaccact 360
gg 362

```

```

<210> 1686
<211> 273
<212> DNA

```

<213> Homo sapiens

<400> 1686

```
gagagcgagc tgaagtgggtg tgtggtcgcg tctcggaacc ggtagcgctt gcagcatggc 60
tgaccaactg actgaagagc agattgcaga attcaaagaa gctttttcac tatttgacaa 120
agatgggtgat ggaactataa caacaaagga attgggaact gtaatgagat ctcttgggca 180
gaatcccaca gaagcagagt tacaggacat gattaatgaa gtagatgctg atggtaatgg 240
acaattgctt cctgaatttc tgcaatgatg gaa 273
```

<210> 1687

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1687

```
aaactccact gctgaccctg agtgcattcg ctatcccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg gggtcaagcg attctcatgc ctacgcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taatttttat attttttagt agagatgggg tttcaccatg 240
tcggccagcc tggctctggaa ctcttgcat caagtgatct acctgccttg gcctcccaa 300
gtgttgggat tacaggtgtg agccaccacg cccggcccaa gccagaggtc ttgtaagggg 360
actcatccca tcatgagggt cctaccctcg tgacctcatc taaacttccc ttaccaaagg 420
ccccatctca aataccatca cattgagggt taaggctcca 460
```

<210> 1688

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1688

```
aaacacattt tcacaagttt ttgagacact ggatttcttt aattaaaaaa aaaatgccaa 60
gaaacattat ttatacaggg ttgattgctt tcatgttggt attctgtacc ctatagtagc 120
ctccatgaga atctgggtatt tcttgctgct tggaaactact ttgcagtgat tacttgggtg 180
cagtccaagt actctcgttt agtctgagcc tggagatggt ctagacttgc ttctcccacc 240
tctgagatta ggacaggaaa aatgtgaaat ttcccaatta caggattata cggtagcatc 300
acatcatttg tggaaattgg ggtgactgta tagctgggat tgggctaagg actgtggtct 360
tatctgtcca catcacgcca aaatgcctat
```

<210> 1689

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1689

```
aaaaatcatt gtccacccaaa attttcagga ctttggaggt ctcaaaaaaa aaatgtgtgt 60
gtgtgtgtgt gtgtgtttta acacttccag cagttaaaaa ttaagaacac atatggataa 120
tcattgggtg acgcctatta taataaacag aaggaccaca aaaattaaaa caagttctaa 180
gaaccatcat atatacaaat ttctgtacag aatgaggaca aaaacaattc acccaattaa 240
aaccagctct tgtggtacac atactctttt tcagaaaaga acgaacactt atcttctctg 300
attcatttgt ttttccattt gattcagtat tcttaatgct gtttccaccc cataaattag 360
taactgttca atagctgaga aatatcctat tttcaattat gcaggggaaa tcaggagctt 420
```

<210> 1690

<211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 1690  
 cttgaagtcc agtgttttcca cggtctggata cctgtgtgtc tccataaaaag tctgtgcacc 60  
 aaggacgtta aaggcatttt attccagcgt cttctagaga gcttagtgta tacagatgag 120  
 ggtgtccgct gctgcttttc ttcggaatcc agtgcttcca cagagattag cctgtagctt 180  
 atatttgaca ttcttctactg tctgtttgttt acctaccgta gctttttacc gttcacttcc 240  
 ccttccaact atgtccagat gtgcaggctc ctctctctg gactttctcc aaaggcactg 300  
 accctcggcc tctactttgt cccctcacct ccacccctc ctgtcaccgg ccttgtgaca 360  
 ttcactcaga gaagaccaca ccaaggaggc ggccgctggc ccaggagaga acacggggag 420  
 gtttgtttgt gtgaaag 437

<210> 1691  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 1691  
 ctcagtgtcc aagtccacag ccaaattctg gaagatatcc atgtgtgctg agtgagtgat 60  
 ggtgtcatt gaaggctcgt atctcttttt gaatgcaatt gcaaatacag tccggtaccc 120  
 aaatagccac actcactact tcagttgcac catgctgtac ctttttgcag aggccaatac 180  
 ggaagccatc caagaacaga tcacaagagt tctcttgga cggttgattg taaataggcc 240  
 acatccttgg ggtcttctta ttaccttcat tgagctgatt aaaaaccag cgtttaagtt 300  
 ctggaaccat gaatttgtac actgtgcccc agaaatcgaa aagttattcc agtcggctgc 360  
 acagtgtgc atgggacaga agcaggccca gcaagtaatg gaaggacag gtgccagtta 420  
 gacgaaactg catctctgtt gtacgtgtca gtctagaggc ctactgcac cgagttcata 480  
 aactgact 488

<210> 1692  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<400> 1692  
 aaaagggtatt ttgaatacca ttaaaactgc tttttttttt ccagcaagta tccaaccaac 60  
 ttgtttctgc ttcaataaat ctttggaataa a 91

<210> 1693  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 1693  
 cctggccgga atactgatat tctgtgccat gttgtctttt gactgacatc acccagttgg 60  
 taaacttcac tatcccttga tcgccacatc tcattagttg ctagagaaaa tattgtgact 120  
 ggattttttc cttccacctg tctcaagaca gggctcctgac ccactcgccc aagtaagtgc 180  
 acacgattca gggatctttc aagaaccaa ctggtagttg tttcggactc atgtcttaca 240  
 aactgacgaa gtacctgtaa tacaggtctt cgaaacatgg cttctatatt cttttcttac 300  
 agtctaattc ttaggctttt cacagaaaca cctcccgacc caccgaggat caccgcgcgc 360  
 caaacacac gactccagca cttccttcgc gctggc 396

<210> 1694

<211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 1694  
 aaatggtgtc tttctatggt gccaggggtg gtctcaaaact cctgtgctca agtgaccctc 60  
 ccacctcatt ctcaagtggc tgcaattaca ggcaaccagc ctgacttaaa acagtatctt 120  
 aaggtagatg gtgattagca catgtagtat gcttaacatt taatattata ataagacatc 180  
 acagcggctg tctcatgatt aaggctgtgt tcccttggtg gtgaggaaat taattatgac 240  
 ttgataaata gaacatgttt taagaagtgg ctatatagct ctggataaaa cgaacaaaag 300  
 aattagaatt cctgcgggga atatatacaa gactttattt agtcaagtaa aaaaaaatca 360  
 ctaatgttta actgaagaaa gagaaattga ataatatagt tctatttcaa catgtggggt 420  
 cacagattta ttctaacctt cca 443

<210> 1695  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 330  
 <223> n = A,T,C or G

<400> 1695  
 ccacttacct tctccttacc ctcccttatcc tcaaagtttg ggctgatgta agactagagg 60  
 ctggccctcc cagataacag agaaaaggga gccccaaatg caaccaacct ctgttcttat 120  
 tcttgccctgc aaaagaacag aggtttctca aatgcctcag tccctgagag ccatctcttc 180  
 ccctacatcg tctcactttg ctccctattg actgctggta gaaggagatt tggggtaggg 240  
 gctagacctc cttttatttg aagggggcaa gggctgagat gtgggtcccca agggggccaga 300  
 aattcccaag ttggtcacag gtggcttaan aagtgtgtgg tatgggttta cggatttcct 360  
 ttgaagcctc tcttcttctc t 381

<210> 1696  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

<400> 1696  
 aaaaaataaa gtagaaccca gagaaaatgt caaagctgcc gccatgtagc accagcaacc 60  
 aattcttgca cttctcttcc ctgtctcagt aatcccctac agaaggttac atgattggaa 120  
 caactctttc ttccctgcaa agtctgctgg taccaggtta taacctggac agtggagagt 180  
 gtctgcctta ggctgggttg tgcaagaggg ccaccttagg tctccttgag gacatttatc 240  
 ttggcgcaga tcttgagggc agggcccagc ttgatgttca tggcactcat aagatgttct 300  
 tctttaagta ataaaagggc ctgtccatca atctcctgtg agcgaaattc ctctgcaatc 360  
 tcttggcagc cttggagaga agcaataaac tcgtacacct cctctacact ccaacggctg 420  
 ggattactgg acaggaacac aggggttgatg ccatgtaatt ccggtgtagg tggagctgta 480  
 ttgggattcc ccaggtcacg ttctccatgc ccagctctta ctgataaagg cccaggagat 540  
 gttggagaga gtgcttcacg ataactgga ttatctgaac cccggctaga gtcttcttga 600  
 ccccggtggc acttgccctg 620

<210> 1697  
 <211> 513  
 <212> DNA

<213> Homo sapiens

<400> 1697

```

aaaaggattt ttatctttcg tgataaactt tgctgtgtac caggaactat aaaaacaaaa 60
acttgttact aaagaaaata tctgaaatgt gataagttct tatgccatgt taatttcattg 120
tgtcaacttc aacatttaca tgtattatct cattatgtaa aatgttttag caatttaata 180
ttttgcacag ttagcaaact ttgtatgtca tttccttcaa ggcatcatgc agagttgaca 240
tgagatttat aaggttttaa gttgtttgca tgtgaaaatc aaatacatac tttggtagtc 300
tttgaatata aagtcattct ctcttgtttt tcaagaattt tgagacacaa agttgtatgt 360
aaaggaatat attaatgtgc cgttttctag gtagatttgc tcaaaaagag tgaatcaact 420
taatattgtac aaatgatagc tgtgaaactg tagaatatct ttgtgtcagg cttggagttc 480
attgtgacct ccaaattttg cctgaaggac cag
513

```

<210> 1698

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1698

```

aaaattgtgt caatatcttc agtgaactct taacaatctg gggaactgtt ttcctcaatt 60
accatttcag caacgttcac acgaaatcaa ggcttgcctt catgtcagtg tcaggatcaa 120
ctttaactcg aagagtttgt gcttgtctct aacatcttca gagtgagctt tagggatgcc 180
tgaaggatgg acagtacaag caagcagcta cttccatgat acagtgggaa gataaaaagg 240
cccattcagt ccagccgtga cctgtaaatc cagcttgccc tccccccacc ccaactggaaa 300
aaaaatccaa aacctttttc caccagtttt ttacatgtcg cttctctacc aggagattct 360
ttgcgtcatc tagatgaaca cactggactt atatacag
398

```

<210> 1699

<211> 283

<212> DNA

<213> Homo sapiens

<400> 1699

```

ccttaattgta atacagcaga ccactaggta ttttagtact ccacaaacca tggattttatt 60
cctaaactac tccatgaaca tgcaacctga agacgtgtga agatgagtga aactgatatt 120
actcaatttc agtctggaca ctggctgaat ccttcctctc cctcctccc atccctcata 180
ggatttttct tgtttggaaa ccacgtgttc tggtttccat gatgcccatc cagtcaatct 240
catggagggt ggagtatggt tggagcctaa tcagcgaggt ttc
283

```

<210> 1700

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1700

```

gttgtaggca agaagcctgt ggtaggtaag aaaggaaaga aggctgctgt tgggtgtaag 60
aagcagaaga agcctctggt gggaaaaaag gcagcagcta ccaagaaacc agccccgaa 120
aagaagcctg cagagaagaa acctactaca gaggagaaga agcctgctgc ataaactctt 180
aaatttgatt attccataaa ggtcaaatac ttttggacag cttcttttga ataaagacct 240
gattatacag gcagtgagaa aaaaa
265

```

<210> 1701

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1701

```

aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aaatgaaaaa gaaaccgttg taacaagggt actaatcccc caactttcaa tgctgagttc 180
cttcatcatc catgtgcaat ccagagatga catctagcag ggtggtaaaa ttattctgga 240
aaatgccaac tgtacttaga caaaataagt taattctata tgggtgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgtttcca aatcagaact 360
agcagaggag agaagtaaat aaagccaatg gcactccctt cagaggctca aaatggttag 420
attttgatgc agatttaacc ttagcgagtt tcagtcagtc catttagatg atcctgtagg 480
ttcatacaaa tacactgaac cgttgggtta acttctcttc cttcctcaaa gtttatgata 540
aagagactca tccctgtatt gggagtgact gacataagtt cagatatgct cagagtggct 600
ggtaagggaa cacttaaggg cagtccagaa 630

```

<210> 1702

<211> 661

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 233, 236, 237, 247, 252, 254, 255, 258, 262, 268, 272, 277, 287, 298, 302, 316, 327, 329, 345, 449, 537, 548, 562

<223> n = A,T,C or G

<400> 1702

```

aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttataacc caactactta ctcaccccgga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agngcnntta 240
aaaagгнаac tntnngгна gnaccctntt tnccttncca ccccccнаtt aaagggгнаa 300
cнатggcgct ttgctnnttg ttaaccнana ttggcttcaa aaacнattaa aatgtgaaag 360
actcttagca aaaaaacaaa aagacgttta acagatgtca aaaagctcct tagtgtttga 420
aaataaatgc ttaaacaaa gacaacatnt tttatatcaa acaagtttgг agagccctga 480
attgcagcat tctgtaacat aaacaaacaa aaagctggta taggatttat tgtcaanggc 540
agaattntt caggcaggta antaaggagg tggтggттct ttttcaggca ttttcacggc 600
catttcatag gttggcaaaa cgtactgagg aggtgcttca aaggcagggt acacagcaaa 660
t 661

```

<210> 1703

<211> 623

<212> DNA

<213> Homo sapiens

<400> 1703

```

aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaатcc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttgagggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgatc ttaagaaagc 360
tcaggggata gcaccagaag ataaagctat ccaggcgagaa ttgctgaaag tcaaacaaaa 420
gataaaggca cagaaagata aagagaaggc agtatatgca aaaatgtttg cttagaaagg 480

```

```

attcagtttt gcttattgtg tgttgattgt ataaatgcaa taagaaaatg taaaggtttt 540
tgtctgtgaa tatgatccct aatgtgtttc ttttgacacc ttagttcctt actgtttaca 600
gtttaggagt actgataggg gtt                                     623

```

```

<210> 1704
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 1704
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgcac tgtgtttgttc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aaatggcctt ggaccacagc cttccagaca tagttccttt tagaagtccc 350

```

```

<210> 1705
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<400> 1705
tttttttatg acactggatt tctttaatta aaaaaaaaaa tgccaagaaa cattattttat 60
acagggttga ttgctttcat gttgtttatc tgtaccctat agtagcctcc atgagaatct 120
ggattttctt gctgcttgga actactttgc agtgattact tggttgcagt ccaagtactc 180
tcgttttagtc tgagcctgga gatgttctag acttgcttct cccacctctg agattaggac 240
aggaaaaatg tgaaatttcc caattacagg attatacggg accatcacat catttgtgga 300
aattgggggtg actgtatagc tgggattggg ctaaggactg tgggtcttata tgtccacata 360
cagccaaaat gcctatccag aaatccagtt cgttggaaag gaaaattggg actcctgtgc 420
cacagggggtt ccagaaaagg gaagtcactt taccttgccg tgggtgggatc ctgatgtctt 480
tca                                     483

```

```

<210> 1706
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 1706
aaattcaaaa caggtatctc aaaaataaag ttaatatagg tttataagta ggacttgctc 60
actcctgaaa gtacgtttta gttaaactctc aaacacattt caaatactct cagagagtct 120
gtttttatact accaagtatc ttatccacat ttcttcaaaa taaacaaaaa aatgctcaca 180
aaatatctat gagaaacaag aagataaaat ataaaatctt aattttttacg tataaaaataa 240
ggaagccggg gaatagcaat gctagaaata aaatgctaga tctcctaata cccttcccaa 300
gtttcatcca gaaagataac agttaaaaaa aaagtaaata aaagcttaaa aaaatcccaa 360
agtcatttca aaaagaaaag cggctgcata gtcttctgca ggtagagggt agtaaaggcg 420
gtttgacagt gacagatttg gctctctgtg aatactctgg 460

```

```

<210> 1707
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<400> 1707

```



```

aaaaaacatt ttacttggcc gggcacggtg gctcacacct gcaatcccag cactttggga 60
ggccaaggcg ggggtggatca caagggtcagg agttcaagac caacgtgacg tgaccaatat 120
ggtgaaaccc catctctact aaaaatacaa aaattagctg ggcgtgggtg cacgtgcctg 180
taatcccgag tacttgggaa gctgaggcag gagaattgct tgaacccggg aggacagagga 240
tgcagtgagc cgagattgag ccaccgcact ccagcctggg tgacagagca agactccatc 300
tcaaagaaac aaacaaaacc actttactta ctgtattgtg acatgtttat taagcatgaa 360
ccccatcag tactcctaaa ctgtaaacag t 391

```

```

<210> 1708
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> 54, 56
<223> n = A,T,C or G

```

```

<400> 1708
aaaaacactg taaaattcta aatgattcct tctgttgtaa gttgatatat attngnaacc 60
tttgtgaaat tgtattcata tgaaaatgtc agctcaaatt cttgggagaa cattaataa 120
tgtaatatatt aattaaaatt ttgaattcaa aaaaa 155

```

```

<210> 1709
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 1709
aacactagcc atgtgacagt gctataaaac tcccagtggtg cttttgtcag ggggtgggtg 60
gaggtgccta attaccata caagggcata attcccactg ggtatgcagg ggcagaacca 120
cagtagtaaa ttctaaaatt atttcaagta tgttcgtata acggaaaatc tactggatg 180
gggccgtttt aagaacgctt cttagtgtat atcctgtctg tgggacataa ggaagaagca 240
ttgaaaggca ctattttgaa agaatgctgc acagggtatg caacagcccc aagcacattc 300
cttcctcacg agtcccaggc ccagctttat tacctaatac aagtccaacc tctggaacat 360
ccaaattcgc tgttccaaag ttttaattaaa aacacaattt acaaataatt aatatcttct 420
gaaaagcatt tctaagttaa gaatgaaaaa gtatgtacat aatatataat caaataccag 480
gcagcctcaa cttccaccag gtccacactc a 511

```

```

<210> 1710
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<400> 1710
aaatatgaaa aaccaaaggg aagtgagtggt gaagaggcaa gagaggaaag gaactggagt 60
ttcttgggaa gggactccca tgtctccctt cccatttatg ggcttggggg ctgggggtacg 120
aggctcacac agtgagtttg cagtgcacac gctccttgta gatctgccga cgaagtttg 180
gcatgtcctg ctgggtgaag ctgaatggct gagacagggc cagatgcttg cagtacattt 240
tgaagtaacc ttccagccc tgggtggaat ccagtcgggc tttctttacc gcctctgcct 300
gtagatactt ggcaatatgc ttagggcagc ggcggtttag ggtacgctgc gagtcaaaat 360
aggtgatggt gcgtcgctc acatcaacag agatgagggg ccaatgcacc tccaggtgga 420
tggggattag cagtagctcc ttattgaaga tgtccacggt tttgggtccac cttttcacc 480
catcataacc cttgggtacgg agt 503

```

<210> 1711  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 16  
 <223> n = A,T,C or G

<400> 1711  
 ctgatcttgg cactnngcac tcattggcac agtggttagtt agaggtgaaa agtagagctg 60  
 tcaagcccaa gggcttagct ttagggctcc tcctgagttc ggcccacagt agaagcaaga 120  
 ttttaactag ccccttttcc tcttcaccct cccatgatgc gcagtgttca gaaagctggg 180  
 aagtcctagg gatttccaga agtagcctgc agaagaaggc aagtttgaaa gccactccag 240  
 gggtcctgat gctgtcatgc tcagtgaaggc attttacagt tctccaaagt ctagccctgt 300  
 ttcggaacct cacttcacct ctaagttatg tacaactcaa cctgcatccc tctaaaagtc 360  
 ctatatccat attcaccatt ggctaatttg aggccctgag tgggccttga atgctaaaaa 420  
 gaagcagggc acgcagggc acatgtagat accacaccaa ggctggaggc tgggtctgtca 480  
 taagacagaa agaaagacgc tgggcccatt tttgacttgg 520

<210> 1712  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 314, 332, 352, 375  
 <223> n = A,T,C or G

<400> 1712  
 aaaacttaat tctcaccttg agtatgcaaa atacaaactc cacaaaatgt tcattttact 60  
 ttgtagttta caaatatata aaatagacgt ttgcttaaat ttatattaca tatttattaa 120  
 ggcaaggaaac tatatagaaa aacacatttg ttctgcttaa ggcatacttg ggaataaacc 180  
 attgtacaaa ttattgcaca tctgaaacca cagtgcataa cagactgcat aaaaatgcta 240  
 aagaagtaaa ccaggatatat tacctgactt aggtcataaa tgttgatcgg aagacaaata 300  
 tagattttcc ttgncaaagt atgcagcagt tngaaaactt tggcttcctt gnttgggcct 360  
 ttagaaccaa gactnaccaa gc 382

<210> 1713  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<400> 1713  
 ctgctgttta cttatcaagg ttatagttcg tgctttctaac tggagcacta gctgctaata 60  
 catatctaga gaaaaaaatc ttccttttgc gttagtgcga aaaggattca aggcttgtct 120  
 ggctgcaaaa tgagattttt atcaggcatc ttgagcatta ttataaagca gatgacagta 180  
 tcgtgttttg ggtagtgaag ttaaagccca taccaaagtg ggccagccaa gagcaggtgt 240  
 cagcctggga cagatgtgaa caccaggaat aaaagagcag ttatgtaatc catttcgacg 300  
 cacttctgga actgtaaact gtaaacaaat gctgcaaagg ttaactattt tctaaaactt 360  
 acttttttcc agtgggaaaa caaatatttg gtatgggtaac ccaaacttat cactgctttt 420

ttgctcagtt tcacacgttg taactcaaat tactctaaac gtgtttaact gccaaacagc 480  
tacctgcatg tt 492

<210> 1714  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1714  
aaacatcttc aggaaatgca gggatcattt tgtttggaat ttttaagacac accagaacac 60  
atagtattta caaagaaact ttacagata cattaattga aaagatacca tcaagaaata 120  
taattttgaa atctcccttt ctgccaatt gatcagaatg caagatgaga tgctaaccac 180  
acagcccttt agctgtcttg tatttcata cactaaatgt gtatttcaga aactgctcaa 240  
ccatcagcca aatatcaaca ttagtgaaat gtgaaatgta accactgtgt aaaaagttag 300  
gcttctgaaa cattaaaaac attacatccc tggctgcct ttttacagaa agcacatttg 360  
ttctcctaga gctattccta tagttcatta attttctaca tgaacatttt 410

<210> 1715  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 318, 338  
<223> n = A,T,C or G

<400> 1715  
tttttttttt tgatcctgcc acaatatttt taattacgta caaagatctg acatgtcacc 60  
cagggaccca ttacccac tgctctgttt ggccgccagt cttttgtctc tctcttcagc 120  
aatggtgagg cggataccct ttccctcgggg aagagaaatc catggtttgt tgcccttgcc 180  
aataacaaaa atgttggaat gtcgagtggc aaagctgttg ccattggcat ctttcacgtg 240  
aaccacgtca aaagatccag ggtgcctctc tctgttggtg atcacaccaa ttcttctag 300  
gttagcacct ccagtcanca tacacaggtt accagtgncc aacttgatga aatcagtaat 360  
cttgcca 367

<210> 1716  
<211> 652  
<212> DNA  
<213> Homo sapiens

<400> 1716  
aaaaataaaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60  
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120  
tattgtgcaa aggaggaatg taatatttaa gattcattta caacgggcat ttggcgctga 180  
cagaaaaagt ctttctatgt atacattcaa cattttgtag catatttaca ttcaagttac 240  
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300  
taaaatcctg tttatttggg aggagtgcac tattatctta ttaggaaata attttatgtt 360  
cctactaagt caactgcatt ttactactt taacaaaatt cactgacatt tttatcccag 420  
ttgaagtcaa gcctctttta gacaaagtca atactaactc aaatgttgcc agttataaaa 480  
ttatataata atcttttctt cctccttag agacagtatt acaactttca atgaaaggac 540  
accagctatg ataaattatt ttcttttaca agagtttaga tgtattacag atacaagggt 600  
ccagaatttt aacttgtttt caaagatggg ctgaagcact tttccctttc ag 652

<210> 1717  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens

<400> 1717  
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<210> 1718  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 1718  
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 tttttttccc ttctcttact taagggttgca aacacattga cagaggcaaa ataaacacgt 180  
 ttcatagcag aaagaccaaa aaattgaatg taaaccatag ctctcccttg ggagattaca 240  
 caaatacaag gttcatctgt acttagaaca aggctcataa cttcttgtag catggacatt 300  
 caacaggcac agagcaacaa cattcaccca aataccag 338

<210> 1719  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<400> 1719  
 aaaagtcaaa gttagatcaa gagaatattt cagagttttg gtttacacat caagaaacag 60  
 acacacatac ctaggaaaga ttacacaat agataatcat cttaatgtga aagatatttg 120  
 aagtattaat tttaatatat taaatatgat ttctgttata gtcttctgta tggaattttg 180  
 tcacttaaga tgagctgcaa ataaataata ctttcaatgg aaaaaaaaaa 229

<210> 1720  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<400> 1720  
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 tgcttgattt gattaaggaa gtactgagca tggatgacga aattcagaaa ctagcaacag 180  
 aactttatca tcagaagtca gttctgataa tgggacgagg ctatcattat gctacttgct 240  
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<210> 1721  
 <211> 637  
 <212> DNA  
 <213> Homo sapiens

<400> 1721

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tgtctgttca tcccacttta tccgatgcag cataagacgc ttaaatttct tctgggcctt 180
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gtacagttag ccagcattgg cttcaatctt gaacttcttg gctgggttgc tcaaatttcg 300
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caagccagc ctgacttttt cttgtagttc cttctgtgct tccctccttg tttgtctccg 600
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```

<210> 1722

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1722

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ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
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cccagatcct gctgaaggcc ctacccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg 267

```

<210> 1723

<211> 492

<212> DNA

<213> Homo sapiens

<400> 1723

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cctagtcca gtcccaaccc aaccactatt cagaatgaga atctaaaaag catgacacat 60
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gcagcctctt ctgagagcac aggcttttga gaagaaagag aaagcattct ttgagaaaaa 180
caagcaaagg agaagagtgt tactgtaccc ttatgacaga attgtcctgg attttgactc 240
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agcctctgtg gtctttgtaa ttagaagctt cagaactcac taatactact gtacctttca 420
ttggcgcat accccataaa actttttgag acgaggtgag atctgagtat aaagataggt 480
cagaagtatt tt 492

```

<210> 1724

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1724

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tgagacatat tactggaagt aagaaatatt attataattg agaactacag cttttaagat 180
tgtactttta tcttaaaaagg gtggtagttt tccctaaaat acttattatg taagggtcat 240
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cccttttttg catcctggct tgccctccag tttaggtcct ttagtgtgct tctgtaagca 360
acgggaacac ctgctgaggg ggctctttcc ctcatgtata cttcaagtaa gatcaagaat 420
cttttgtgaa attatagaaa ttactatgt aaatgcttga tgggaatttt tcctgctagt 480

```

gtagcttctg aaaggtgctt tctccattta ttt

513

<210> 1725

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 561, 569

<223> n = A,T,C or G

<400> 1725

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caaaaacaca aaaatggaat gaagtgatac tcttcatcaa acagaagtga ctgttatctc 480
aaccattttg ttaaataccta aacagaaaac aaaaaaatc atgacgaaaa gacacttgct 540
tattaattgg ctTggaaagt ngaatatang ag 572
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<210> 1726

<211> 608

<212> DNA

<213> Homo sapiens

<400> 1726

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gcaatcctcc cacctctgcc tcccaaagtg ctgggattat aggtccaagt caccacgccc 120
ggcctatTTt attccacttc ggagaccgcc ccccttgTcc ctCagatgca tccaaatcag 180
gagTtaggga tcatactcca ctgtggtcct gaattataga ataatgaagt ctagatgtc 240
agcggccccct ggctgcatga tagtaagagt atggctgagc ctgtcttgca gatcatccag 300
tacctgtaca ggccaggcta cactgttctc cagcactctc tgtagccaag tgccagtaat 360
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ccatccactc tcatacaccia agctatgccc aggagaagtc ccacgtgct cacaatgaag 480
cccacagcct caaatatgaa cttaggggca aacactttcc agaccatgag atgcctgcga 540
aggatggagg ctgccaaggc acaggccaga atctgaatac caaggataaa gaggtacttg 600
aggccag 608
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<210> 1727

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 173

<223> n = A,T,C or G

<400> 1727

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gaaaagtaca aagtttttca tctaatacagt tcctgcatat ctgatgtact gtaatgcata 120  
aataatagat ctttgggtgtg ataatttgtg aagcaataaa gggcagagaa ccngaaaa 178

<210> 1728

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1728

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attgagtgc a tactatgtgc cagggtgctgt ttatatggct ggggtgtgcaa tgatgaataa 180  
aacacagtc ctgccttcaa ggaccttaca gactgggtgag aatgtctggg agacagtgtg 240  
atcaaatgcc tctgtagatg ggtcttgacg tgagcttatac aggggtgctgc tgtgattaga 300  
ggtggggagc cttggattct tgagtaactc tcaactg 336

<210> 1729

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1729

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cgaagggtgc agtgaaccga ggccacgcca ttgcaactca gcctgggcga cagagcgaga 180  
ctccatgtca aaaaagaaaa taaataaata aaacttgcta gaataaaaag tttagggatt 240  
cccccgctca atcctgtctg tacatatgag tgaattgaga ggtctggaaa catacccacc 300  
cactgttaac actgttgatt ttttt 325

<210> 1730

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1730

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aaaagccaca aaataatttc aaacattaag ccaactgcaaa gaaacatctg atgtaagaaa 180  
aaattataaa aatataaaact ttcaagaata tccaagacaa aactctcaat gaagtgtccc 240  
tgaagtacct agacatctat aactaacaac cacttttctt actatcattg aagtcaatag 300  
aaacacaaag gaatttttca gacaaagtat ggcaaacaac aatctcttgg gtgacaacac 360  
aaccacaaa tctgttaact ttggaaagg gcgagagcat agaactccag tgcaaatggg 420  
tacttccaga taacggccac agttctctaa atgtagtcta agaaatgtag aagggggaaa 480  
ccataaaggc aacatacctg aatctttcaa gacaacacac aaactctgcc atgtacacat 540  
ttgcctttta tattgggcag tgagga 566

<210> 1731

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 66

<223> n = A,T,C or G

<400> 1731

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aatgtaaaac tgacctgctc ggaagaaacg taggaacgct tcaaaccacac tgtaattgtt 600
ggtttgagat tatttttcatt gctttgagag tgaactgcct aagagtaggc cttataataa 660
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ttgtgacttt t 731
```

<210> 1732

<211> 1131

<212> DNA

<213> Homo sapiens

<400> 1732

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```

<210> 1733

<211> 5641

<212> DNA

<213> Homo sapiens

<400> 1733

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```



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Leu	Leu	Ser	Ile	Thr	Glu	Ile	His	Glu	Gln	Thr	Tyr	Ile	Asn	Gly	Leu
			275				280					285			
Leu	Thr	Gly	Tyr	Ser	Ser	Thr	Leu	Trp	Ile	Gly	Leu	Asn	Asp	Leu	Asp
	290					295					300				
Thr	Ser	Gly	Gly	Trp	Gln	Trp	Ser	Asp	Asn	Ser	Pro	Leu	Lys	Tyr	Leu
305					310					315					320
Asn	Trp	Glu	Ser	Asp	Gln	Pro	Asp	Asn	Pro	Ser	Glu	Glu	Asn	Cys	Gly
				325					330					335	
Val	Ile	Arg	Thr	Glu	Ser	Ser	Gly	Gly	Trp	Gln	Asn	Arg	Asp	Cys	Ser
			340					345					350		
Ile	Ala	Leu	Pro	Tyr	Val	Cys	Lys	Lys	Pro	Asn	Ala	Thr	Ala	Glu	
		355					360				365				
Pro	Thr	Pro	Pro	Asp	Arg	Trp	Ala	Asn	Val	Lys	Val	Glu	Cys	Glu	Pro
	370					375					380				

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Ser	Trp	Gln	Pro	Phe	Gln	Gly	His	Cys	Tyr	Arg	Leu	Gln	Ala	Glu	Lys
385					390					395					400
Arg	Ser	Trp	Gln	Glu	Ser	Lys	Lys	Ala	Cys	Leu	Arg	Gly	Gly	Gly	Asp
				405					410					415	
Leu	Val	Ser	Ile	His	Ser	Met	Ala	Glu	Leu	Glu	Phe	Ile	Thr	Lys	Gln
				420				425					430		
Ile	Lys	Gln	Glu	Val	Glu	Glu	Leu	Trp	Ile	Gly	Leu	Asn	Asp	Leu	Lys
				435			440					445			
Leu	Gln	Met	Asn	Phe	Glu	Trp	Ser	Asp	Gly	Ser	Leu	Val	Ser	Phe	Thr
				450		455					460				
His	Trp	His	Pro	Phe	Glu	Pro	Asn	Asn	Phe	Arg	Asp	Ser	Leu	Glu	Asp
465				470						475					480
Cys	Val	Thr	Ile	Trp	Gly	Pro	Glu	Gly	Arg	Trp	Asn	Asp	Ser	Pro	Cys
				485					490					495	
Asn	Gln	Ser	Leu	Pro	Ser	Ile	Cys	Lys	Ala	Gly	Gln	Leu	Ser	Gln	
			500					505				510			
Gly	Ala	Ala	Glu	Glu	Asp	His	Gly	Cys	Arg	Lys	Gly	Trp	Thr	Trp	His
			515				520					525			
Ser	Pro	Ser	Cys	Tyr	Trp	Leu	Gly	Glu	Asp	Gln	Val	Thr	Tyr	Ser	Glu
				530		535					540				
Ala	Arg	Arg	Leu	Cys	Thr	Asp	His	Gly	Ser	Gln	Leu	Val	Thr	Ile	Thr
545				550						555					560
Asn	Arg	Phe	Glu	Gln	Ala	Phe	Val	Ser	Ser	Leu	Ile	Tyr	Asn	Trp	Glu
				565					570					575	
Gly	Glu	Tyr	Phe	Trp	Thr	Ala	Leu	Gln	Asp	Leu	Asn	Ser	Thr	Gly	Ser
			580					585					590		
Phe	Phe	Trp	Leu	Ser	Gly	Asp	Glu	Val	Met	Tyr	Thr	His	Trp	Asn	Arg
			595			600						605			
Asp	Gln	Pro	Gly	Tyr	Ser	Arg	Gly	Gly	Cys	Val	Ala	Leu	Ala	Thr	Gly
			610		615					620					
Ser	Ala	Met	Gly	Leu	Trp	Glu	Val	Lys	Asn	Cys	Thr	Ser	Phe	Arg	Ala
625				630						635					640
Arg	Tyr	Ile	Cys	Arg	Gln	Ser	Leu	Gly	Thr	Pro	Val	Thr	Pro	Glu	Leu
				645					650					655	
Pro	Gly	Pro	Asp	Pro	Thr	Pro	Ser	Leu	Thr	Gly	Ser	Cys	Pro	Gln	Gly
			660					665					670		
Trp	Ala	Ser	Asp	Thr	Lys	Leu	Arg	Tyr	Cys	Tyr	Lys	Val	Phe	Ser	Ser
			675				680					685			
Glu	Arg	Leu	Gln	Asp	Lys	Lys	Ser	Trp	Val	Gln	Ala	Gln	Gly	Ala	Cys
			690			695					700				
Gln	Glu	Leu	Gly	Ala	Gln	Leu	Leu	Ser	Leu	Ala	Ser	Tyr	Glu	Glu	Glu
705				710						715					720
His	Phe	Val	Ala	Asn	Met	Leu	Asn	Lys	Ile	Phe	Gly	Glu	Ser	Glu	Pro
				725					730					735	
Glu	Ile	His	Glu	Gln	His	Trp	Phe	Trp	Ile	Gly	Leu	Asn	Arg	Arg	Asp
			740					745				750			
Pro	Arg	Gly	Gly	Gln	Ser	Trp	Arg	Trp	Ser	Asp	Gly	Val	Gly	Phe	Ser
			755			760					765				
Tyr	His	Asn	Phe	Asp	Arg	Ser	Arg	His	Asp	Asp	Asp	Asp	Ile	Arg	Gly
			770			775					780				
Cys	Ala	Val	Leu	Asp	Leu	Ala	Ser	Leu	Gln	Trp	Val	Ala	Met	Gln	Cys
785				790						795					800
Asp	Thr	Gln	Leu	Asp	Trp	Ile	Cys	Lys	Ile	Pro	Arg	Gly	Thr	Asp	Val
				805					810					815	

[illegible]

Arg Glu Pro Asp Asp Ser Pro Gln Gly Arg Arg Glu Trp Leu Arg Phe  
 820 825 830  
 Gln Glu Ala Glu Tyr Lys Phe Phe Glu His His Ser Thr Trp Ala Gln  
 835 840 845  
 Ala Gln Arg Ile Cys Thr Trp Phe Gln Ala Glu Leu Thr Ser Val His  
 850 855 860  
 Ser Gln Ala Glu Leu Asp Phe Leu Ser His Asn Leu Gln Lys Phe Ser  
 865 870 875 880  
 Arg Ala Gln Glu Gln His Trp Trp Ile Gly Leu His Thr Ser Glu Ser  
 885 890 895  
 Asp Gly Arg Phe Arg Trp Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser  
 900 905 910  
 Trp Ala Pro Gly Lys Pro Arg Pro Val Gly Lys Asp Lys Lys Cys Val  
 915 920 925  
 Tyr Met Thr Ala Ser Arg Glu Asp Trp Gly Asp Gln Arg Cys Leu Thr  
 930 935 940  
 Ala Leu Pro Tyr Ile Cys Lys Arg Ser Asn Val Thr Lys Glu Thr Gln  
 945 950 955 960  
 Pro Pro Asp Leu Pro Thr Thr Ala Leu Gly Gly Cys Pro Ser Asp Trp  
 965 970 975  
 Ile Gln Phe Leu Asn Lys Cys Phe Gln Val Gln Gly Gln Glu Pro Gln  
 980 985 990  
 Ser Arg Val Lys Trp Ser Glu Ala Gln Phe Ser Cys Glu Gln Gln Glu  
 995 1000 1005  
 Ala Gln Leu Val Thr Ile Thr Asn Pro Leu Glu Gln Ala Phe Ile Thr  
 1010 1015 1020  
 Ala Ser Leu Pro Asn Val Thr Phe Asp Leu Trp Ile Gly Leu His Ala  
 1025 1030 1035 1040  
 Ser Gln Arg Asp Phe Gln Trp Val Glu Gln Glu Pro Leu Met Tyr Ala  
 1045 1050 1055  
 Asn Trp Ala Pro Gly Glu Pro Ser Gly Pro Ser Pro Ala Pro Ser Gly  
 1060 1065 1070  
 Asn Lys Pro Thr Ser Cys Ala Val Leu His Ser Pro Ser Ala His  
 1075 1080 1085  
 Phe Thr Gly Arg Trp Asp Asp Arg Ser Cys Thr Glu Glu Thr His Gly  
 1090 1095 1100  
 Phe Ile Cys Gln Lys Gly Thr Asp Pro Ser Leu Ser Pro Ser Pro Ala  
 1105 1110 1115 1120  
 Ala Leu Pro Pro Ala Pro Gly Thr Glu Leu Ser Tyr Leu Asn Gly Thr  
 1125 1130 1135  
 Phe Arg Leu Leu Gln Lys Pro Leu Arg Trp His Asp Ala Leu Leu Leu  
 1140 1145 1150  
 Cys Glu Ser His Asn Ala Ser Leu Ala Tyr Val Pro Asp Pro Tyr Thr  
 1155 1160 1165  
 Gln Ala Phe Leu Thr Gln Ala Ala Arg Gly Leu Arg Thr Pro Leu Trp  
 1170 1175 1180  
 Ile Gly Leu Ala Gly Glu Glu Gly Ser Arg Arg Tyr Ser Trp Val Ser  
 1185 1190 1195 1200  
 Glu Glu Pro Leu Asn Tyr Val Gly Trp Gln Asp Gly Glu Pro Gln Gln  
 1205 1210 1215  
 Pro Gly Gly Cys Thr Tyr Val Asp Val Asp Gly Ala Trp Arg Thr Thr  
 1220 1225 1230  
 Ser Cys Asp Thr Lys Leu Gln Gly Ala Val Cys Gly Val Ser Ser Gly  
 1235 1240 1245

Pro Pro Pro Pro Arg Arg Ile Ser Tyr His Gly Ser Cys Pro Gln Gly  
 1250 1255 1260  
 Leu Ala Asp Ser Ala Trp Ile Pro Phe Arg Glu His Cys Tyr Ser Phe  
 1265 1270 1275 1280  
 His Met Glu Leu Leu Leu Gly His Lys Glu Ala Arg Gln Arg Cys Gln  
 1285 1290 1295  
 Arg Ala Gly Gly Ala Val Leu Ser Ile Leu Asp Glu Met Glu Asn Val  
 1300 1305 1310  
 Phe Val Trp Glu His Leu Gln Ser Tyr Glu Gly Gln Ser Arg Gly Ala  
 1315 1320 1325  
 Trp Leu Gly Met Asn Phe Asn Pro Lys Gly Gly Thr Leu Val Trp Gln  
 1330 1335 1340  
 Asp Asn Thr Ala Val Asn Tyr Ser Asn Trp Gly Pro Pro Gly Leu Gly  
 1345 1350 1355 1360  
 Pro Ser Met Leu Ser His Asn Ser Cys Tyr Trp Ile Gln Ser Asn Ser  
 1365 1370 1375  
 Gly Leu Trp Arg Pro Gly Ala Cys Thr Asn Ile Thr Met Gly Val Val  
 1380 1385 1390  
 Cys Lys Leu Pro Arg Ala Glu Gln Ser Ser Phe Ser Pro Ser Ala Leu  
 1395 1400 1405  
 Pro Glu Asn Pro Ala Ala Leu Val Val Val Leu Met Ala Val Leu Leu  
 1410 1415 1420  
 Leu Leu Ala Leu Leu Thr Ala Ala Leu Ile Leu Tyr Arg Arg Arg Gln  
 1425 1430 1435 1440  
 Ser Ile Glu Arg Gly Ala Phe Glu Gly Ala Arg Tyr Ser Arg Ser Ser  
 1445 1450 1455  
 Ser Ser Pro Thr Glu Ala Thr Glu Lys Asn Ile Leu Val Ser Asp Met  
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 Glu Met Asn Glu Gln Gln Glu  
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